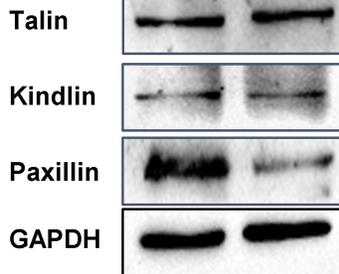
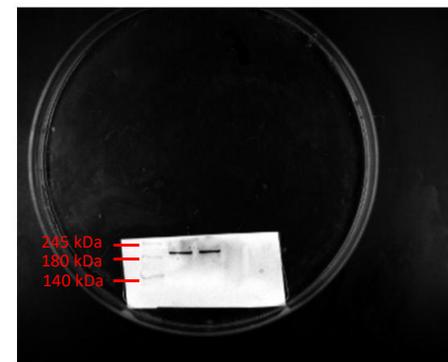
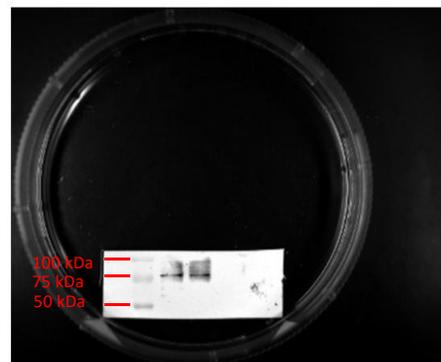


Fig. 2B**(n=1)**Control Arctigenin
(10 μ M)

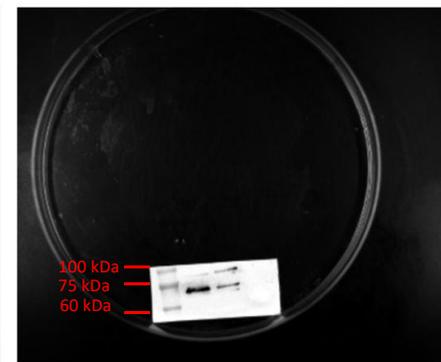
Talin (230 kDa)



Kindlin (78 kDa)



Paxillin (68 kDa)



GAPDH (37 kDa)

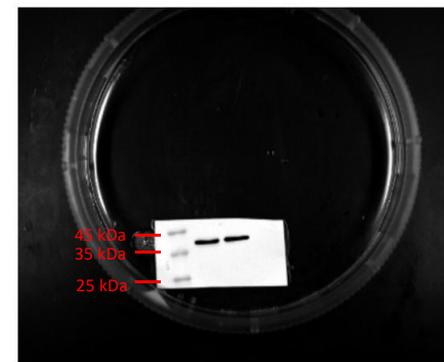
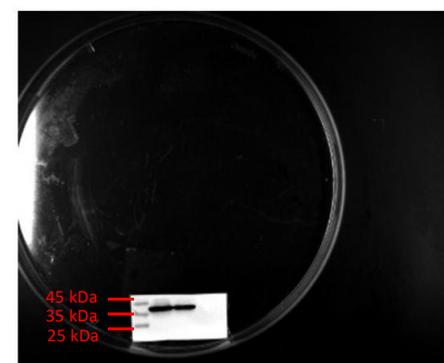
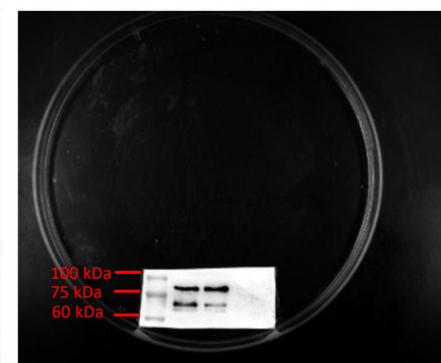
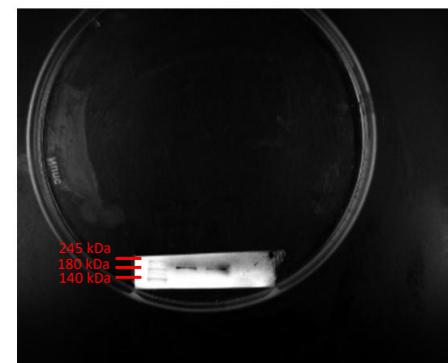
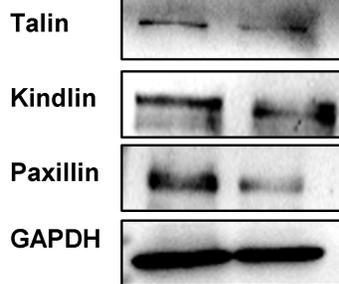
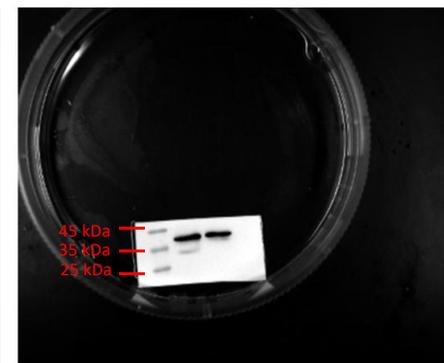
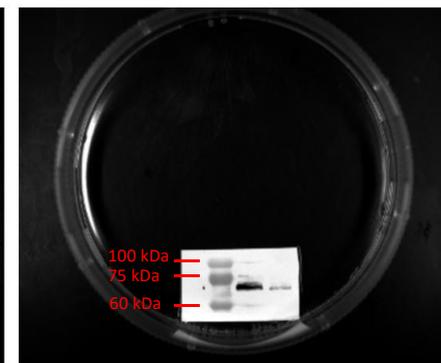
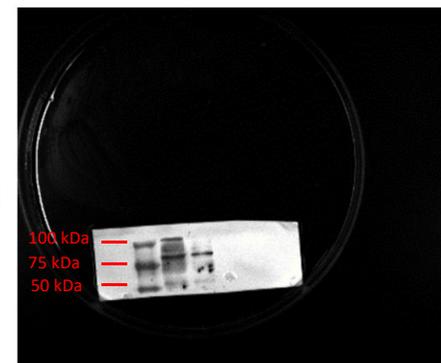
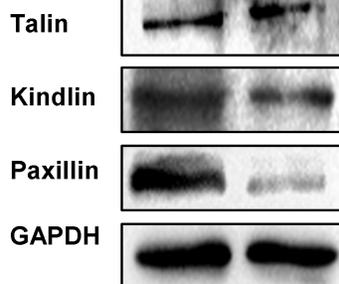
**(n=2)**Control Arctigenin
(10 μ M)**(n=3)**Control Arctigenin
(10 μ M)

Fig. 2C

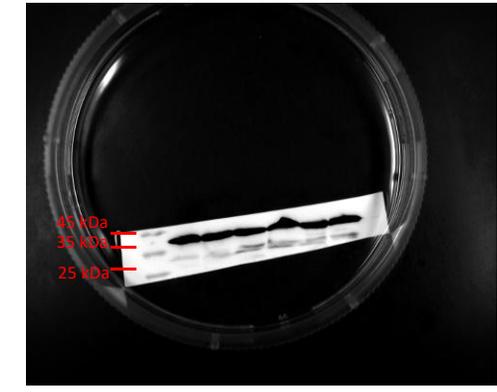
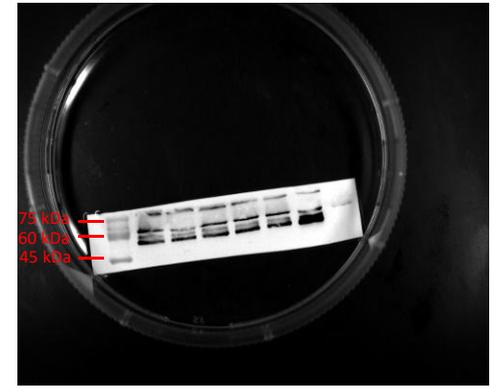
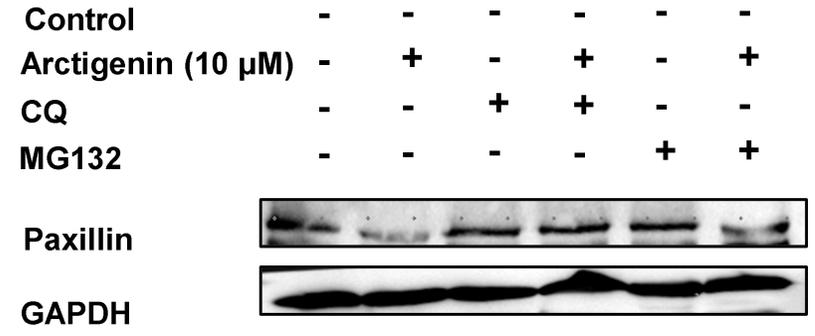
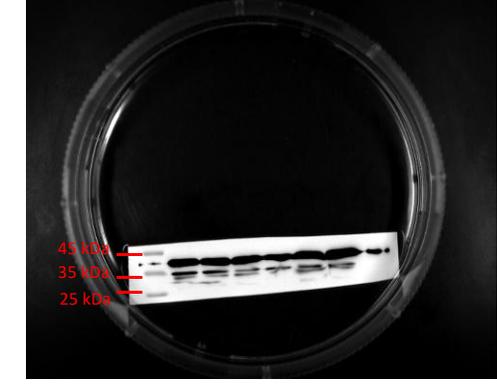
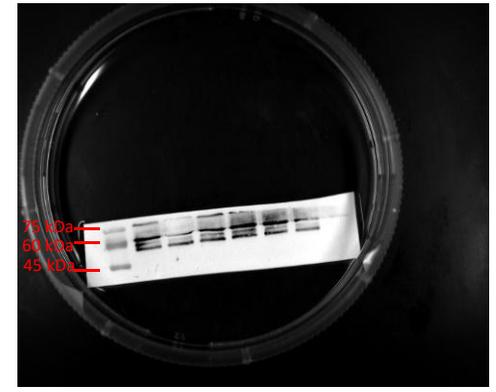
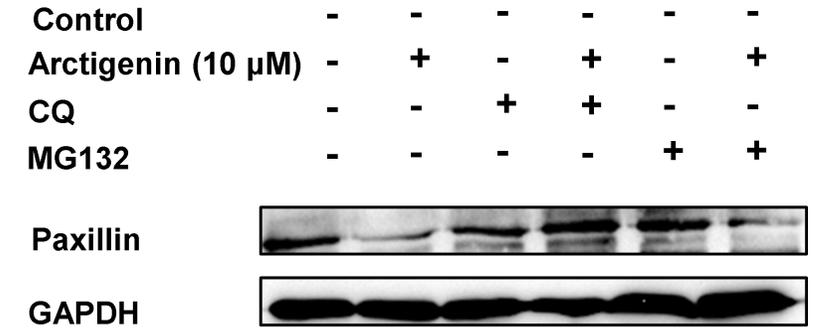
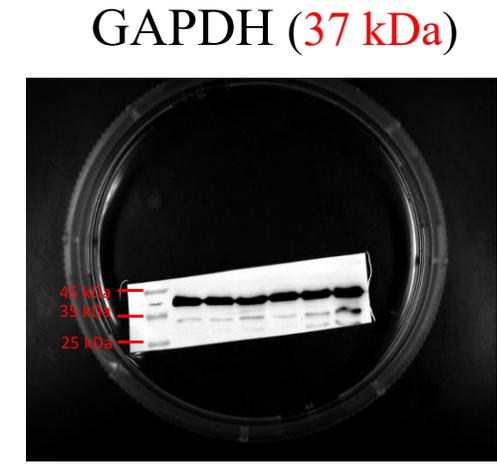
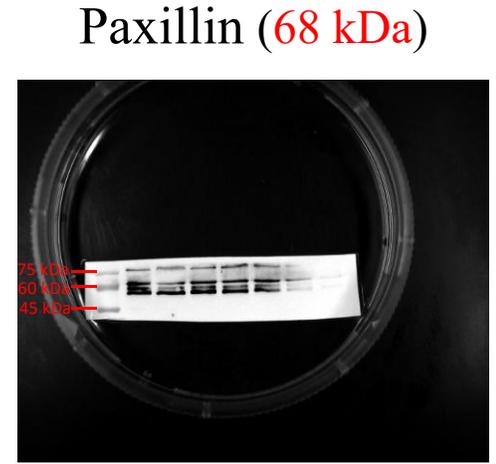
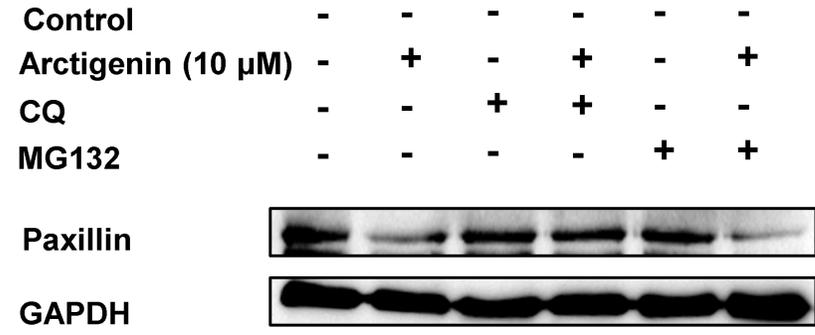
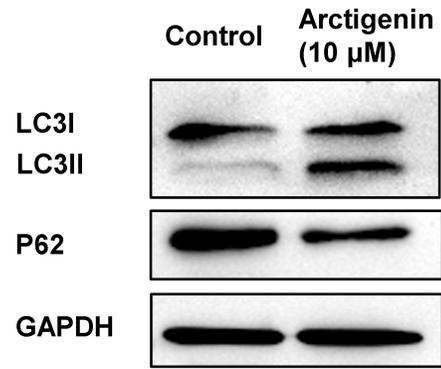
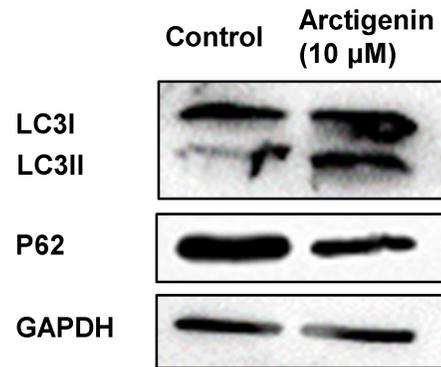


Fig. 2D

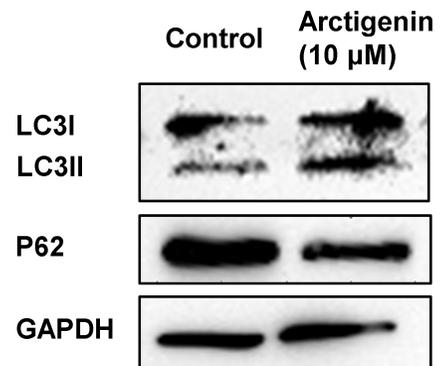
(n=1)



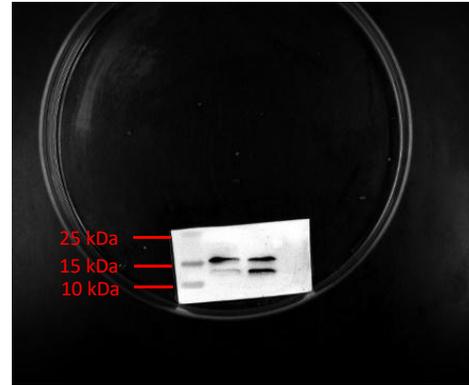
(n=2)



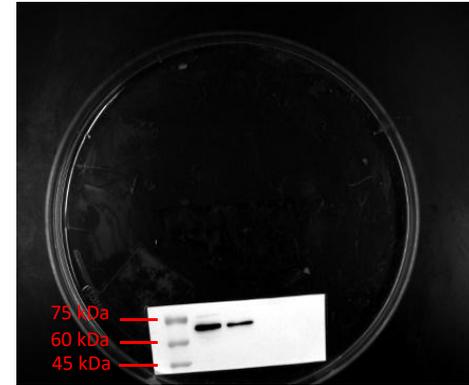
(n=3)



LC3 (18/14 kDa)



P62 (62 kDa)



GAPDH (37 kDa)

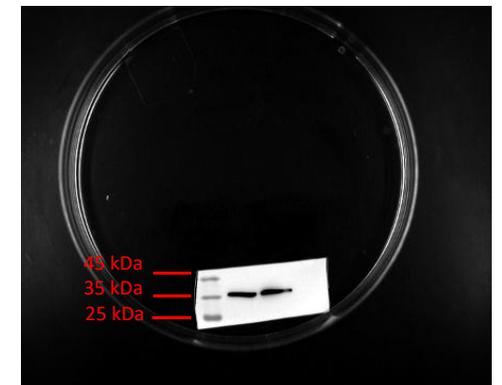
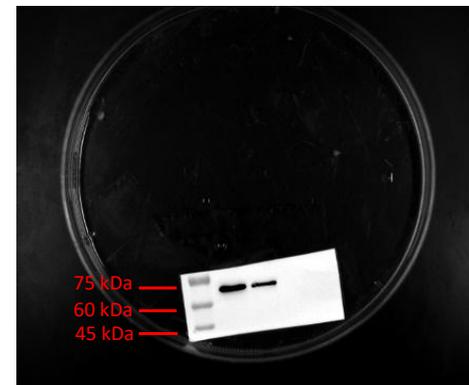
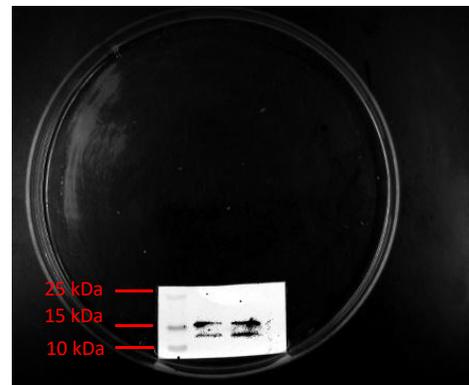
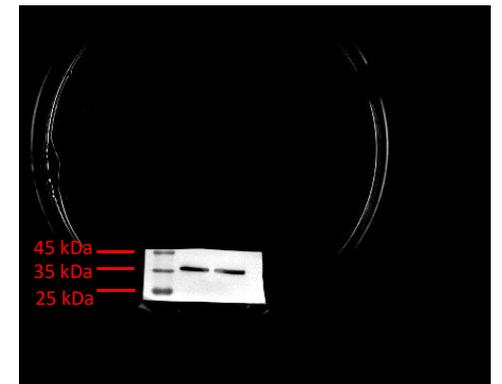
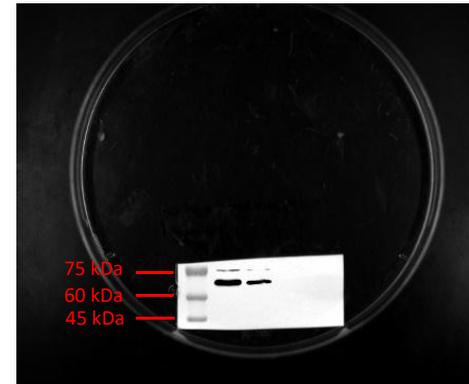
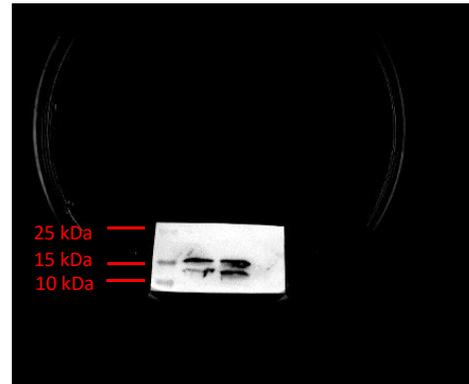
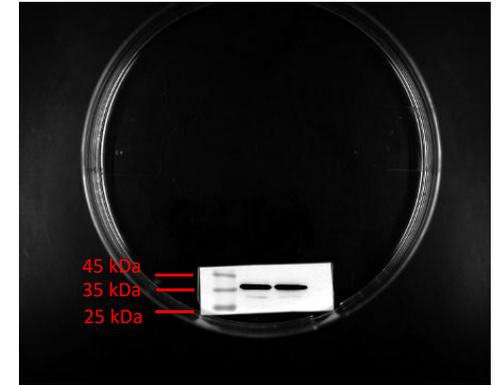


Fig. 2F

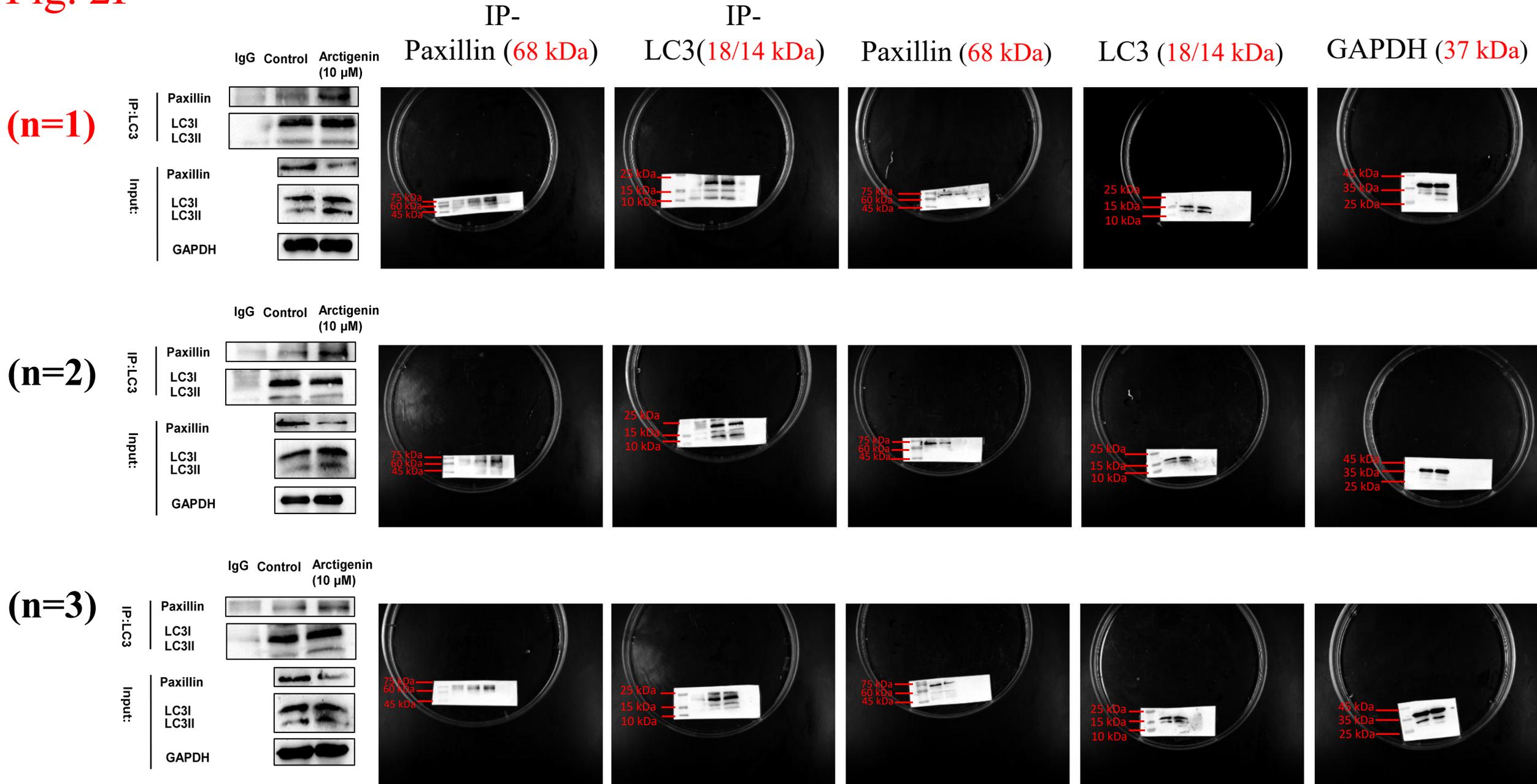
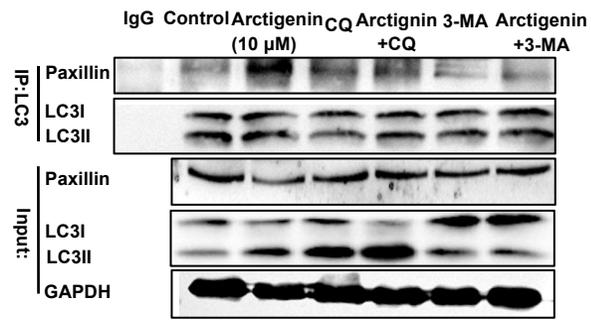
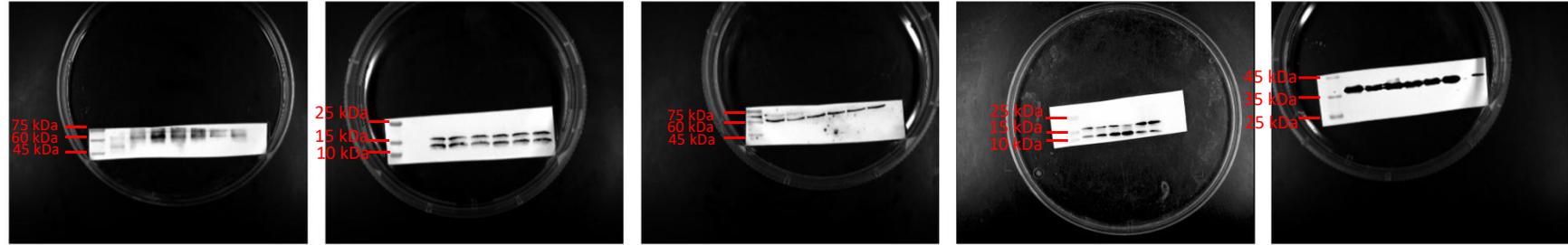


Fig. 3A

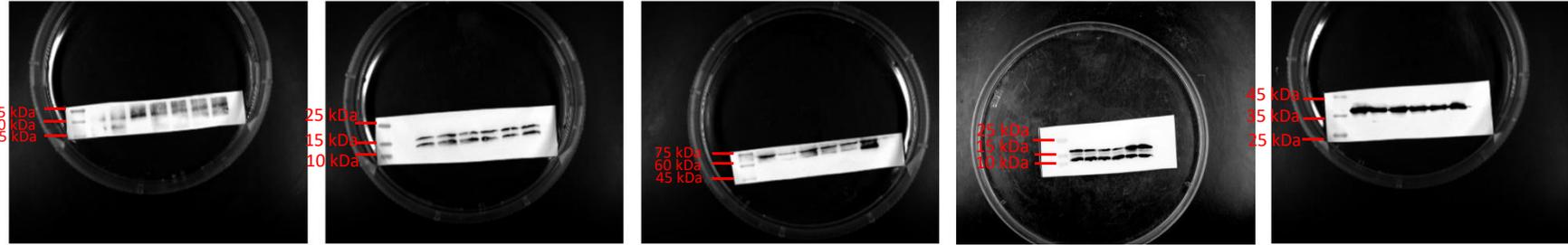
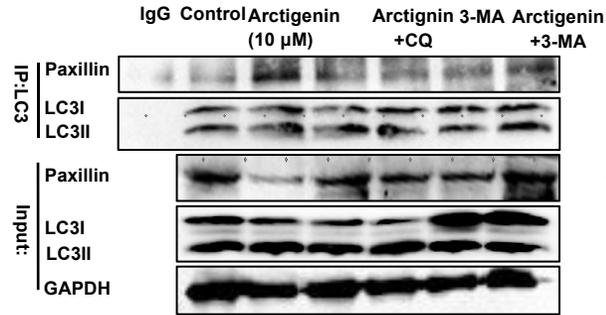
(n=1)



IP- Paxillin (68 kDa) IP- LC3(18/14 kDa) Paxillin (68 kDa) LC3 (18/14 kDa) GAPDH (37 kDa)



(n=2)



(n=3)

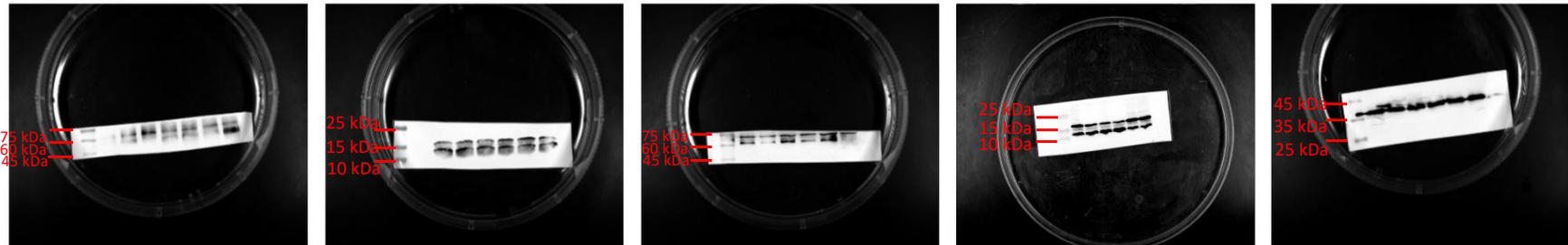
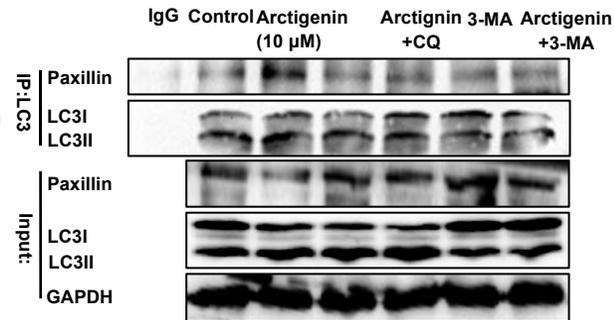
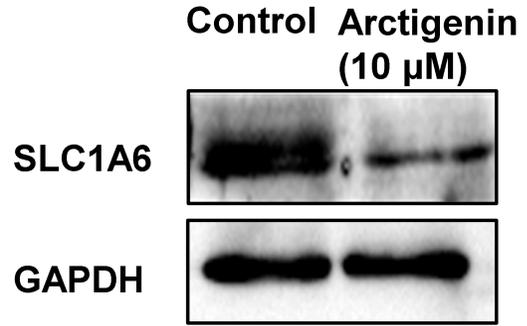
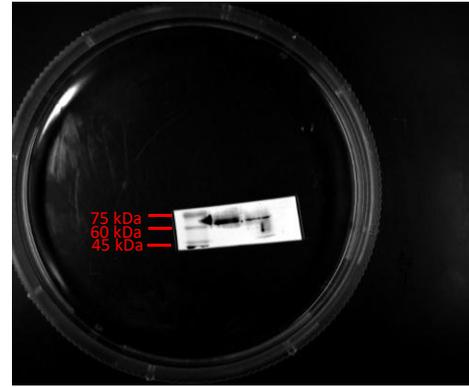


Fig. 4H

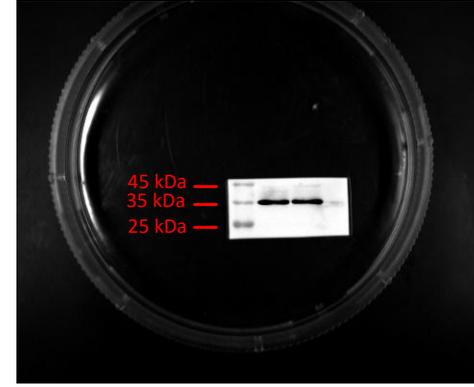
(n=1)



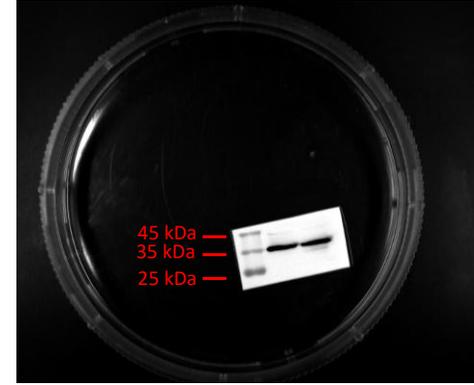
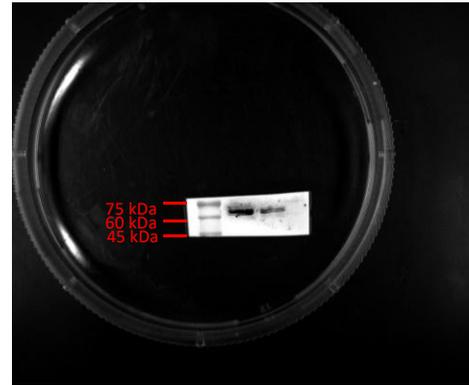
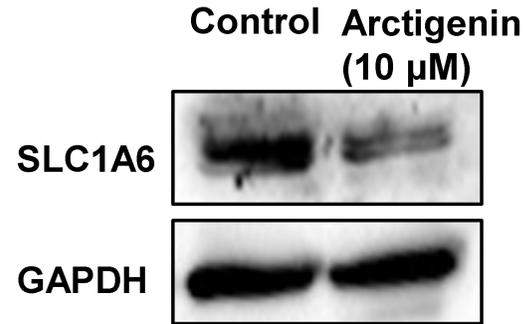
SLC1A6 (64 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

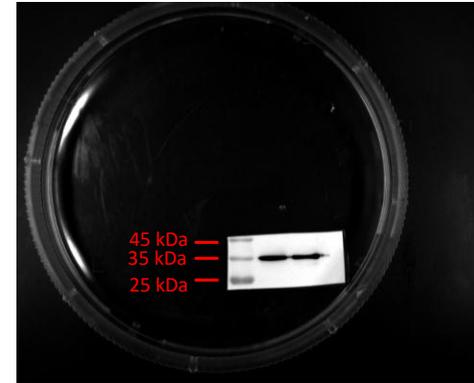
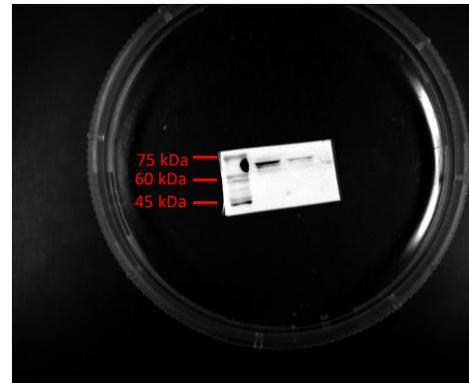
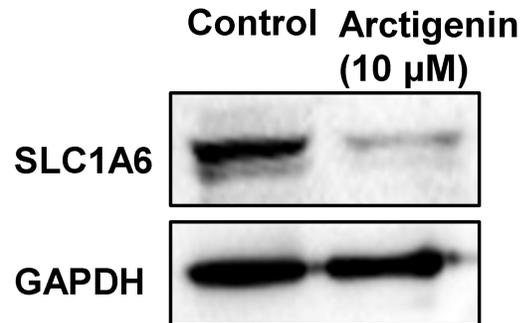
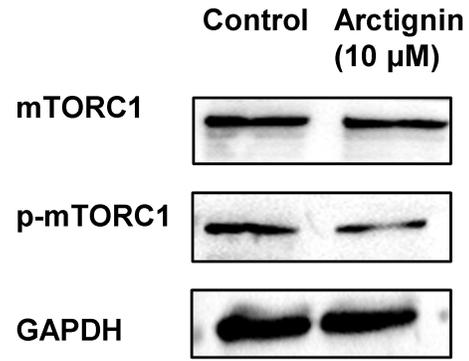
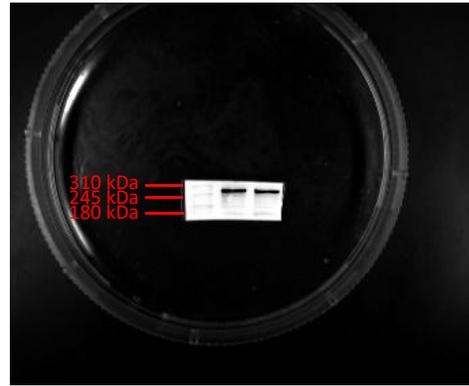


Fig. 4I

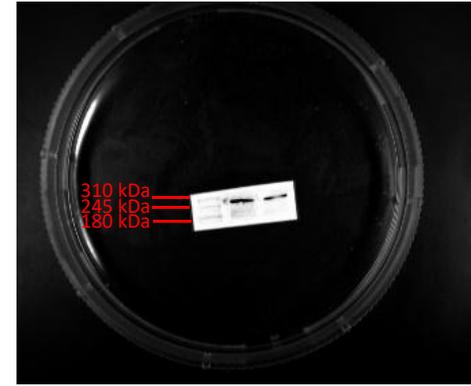
(n=1)



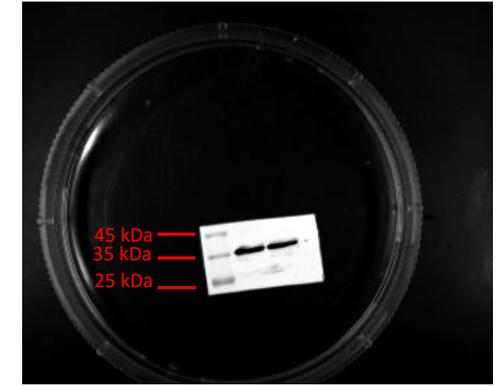
mTORC1 (245 kDa)



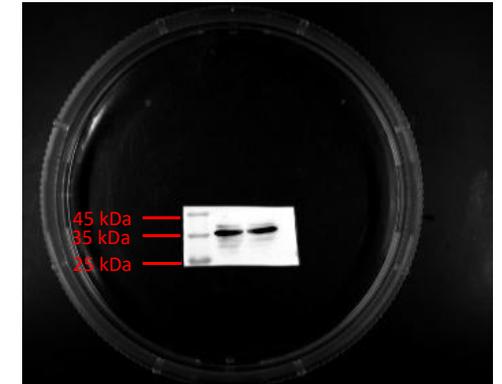
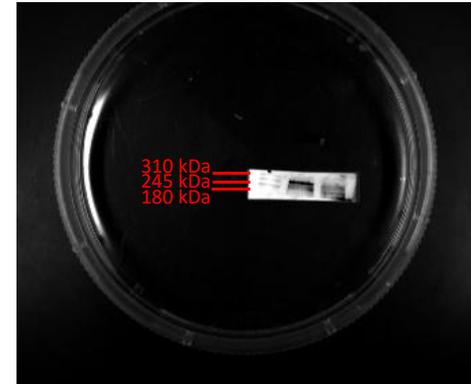
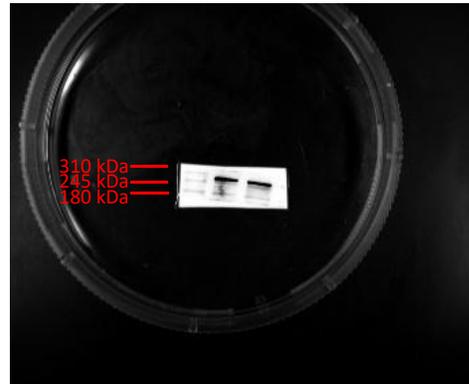
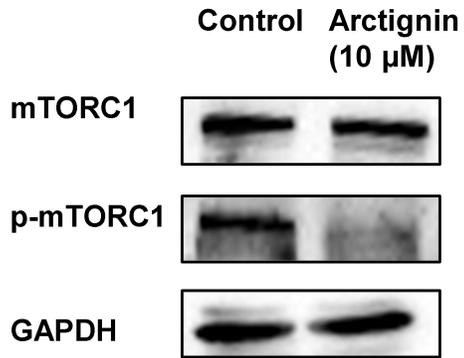
p-mTORC1 (269 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

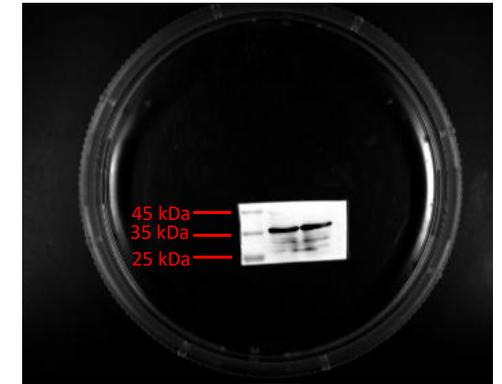
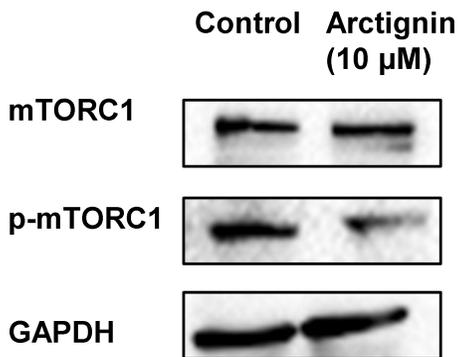
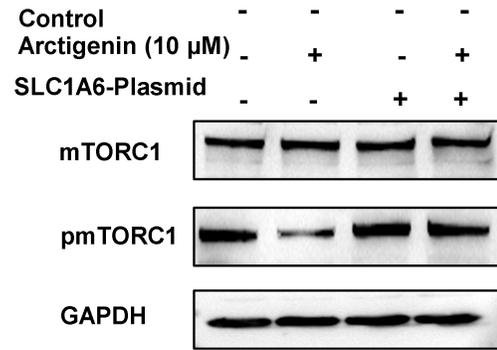
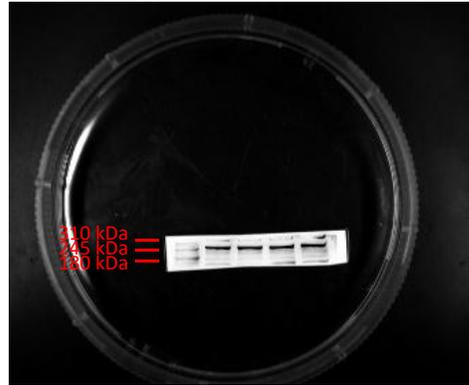


Fig. 4J

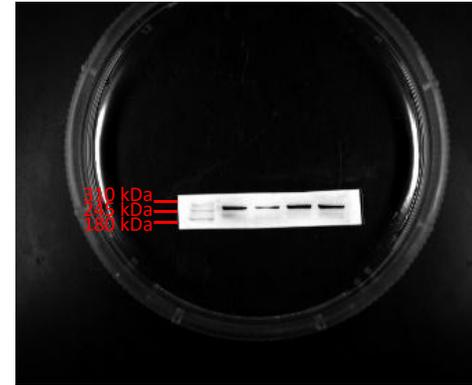
(n=1)



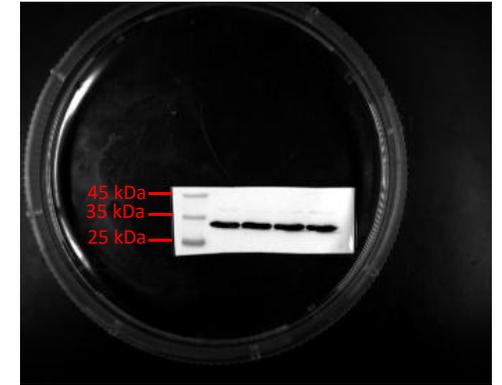
mTORC1 (245 kDa)



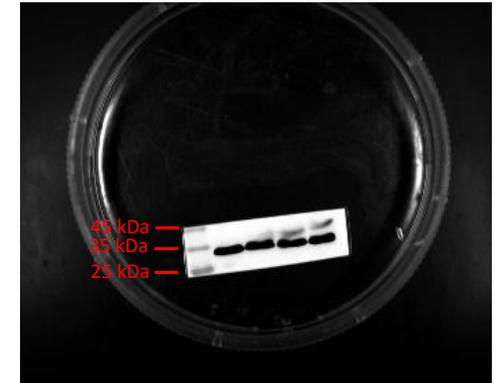
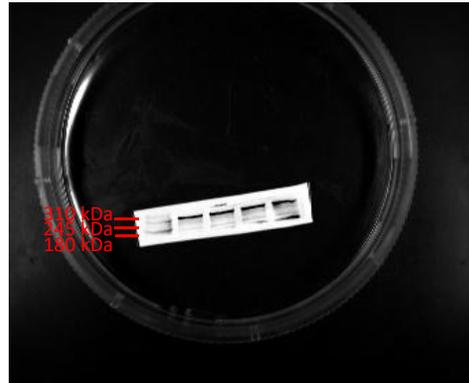
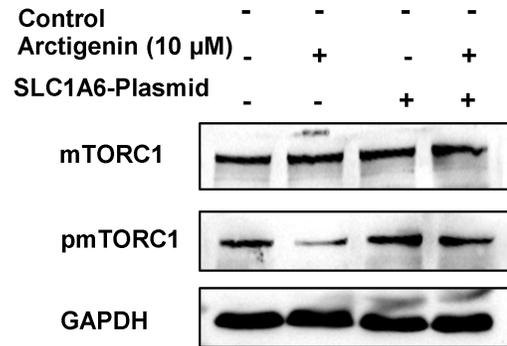
p-mTORC1 (269 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

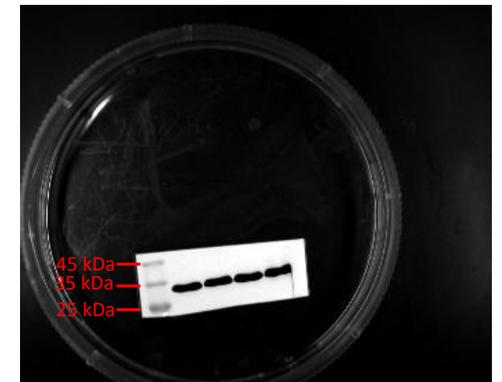
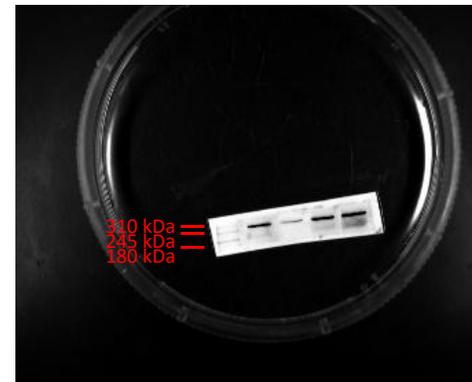
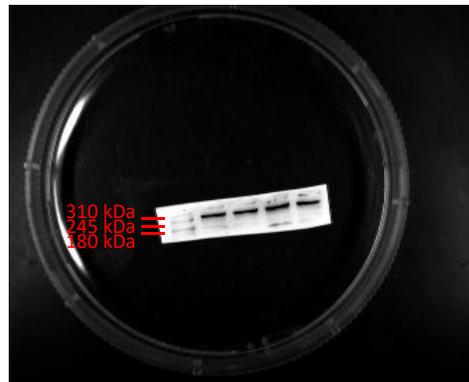
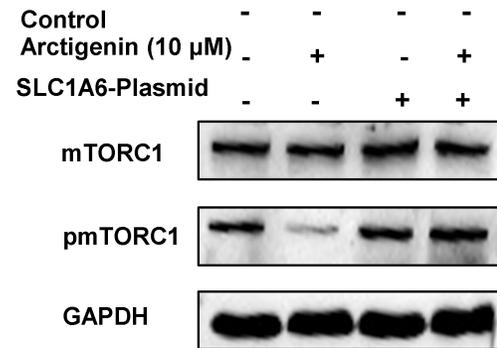
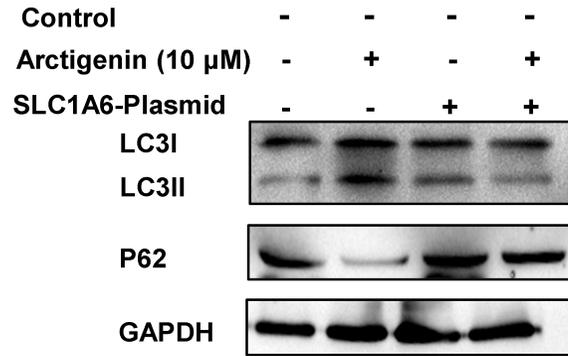
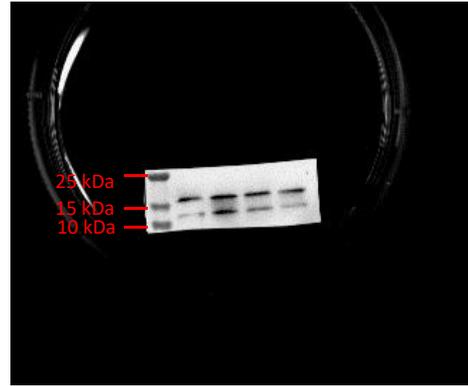


Fig. 4K

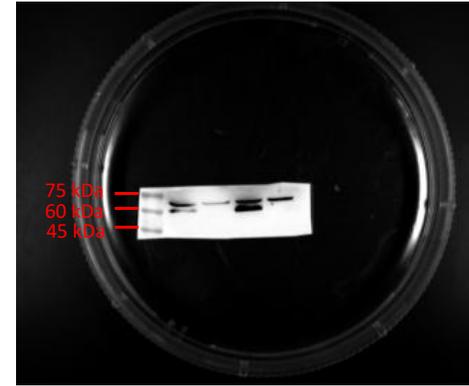
(n=1)



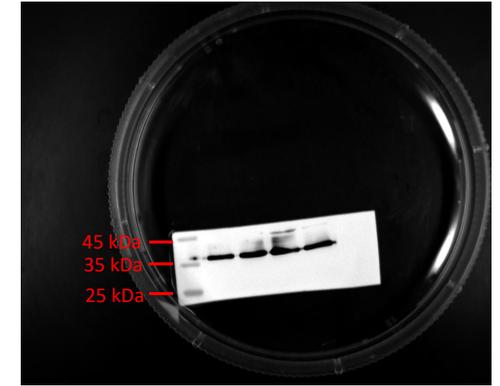
LC3 (18/14 kDa)



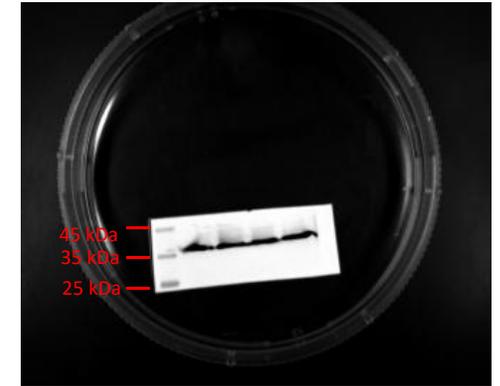
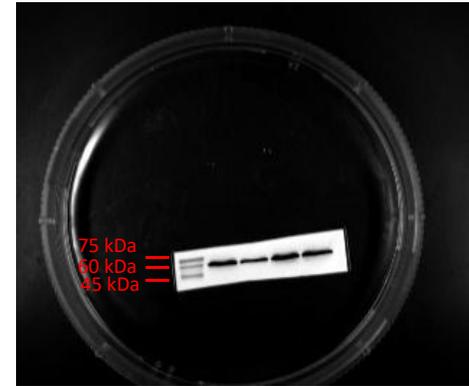
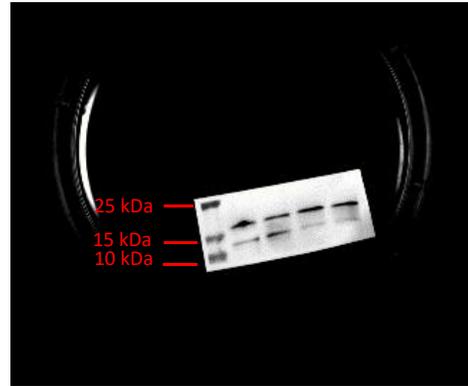
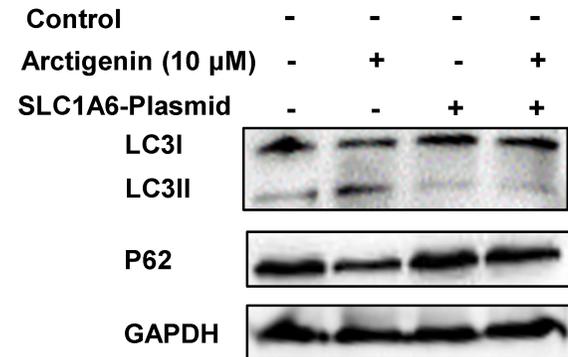
P62 (62 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

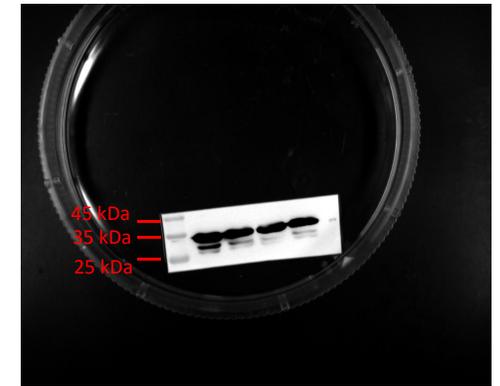
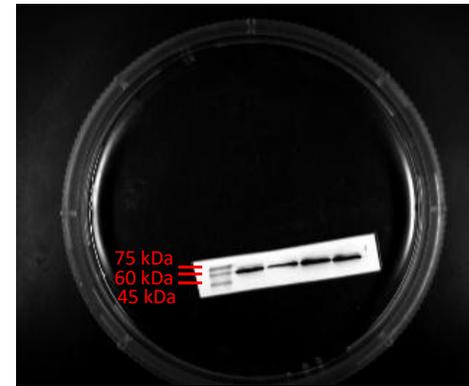
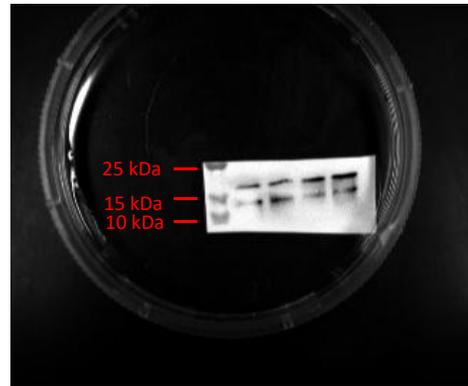
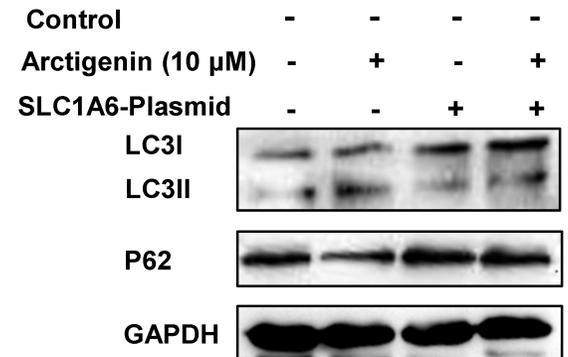
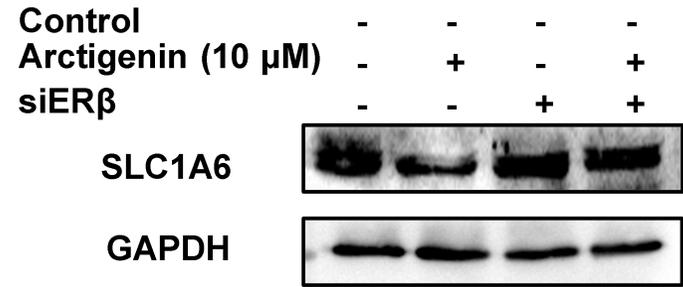
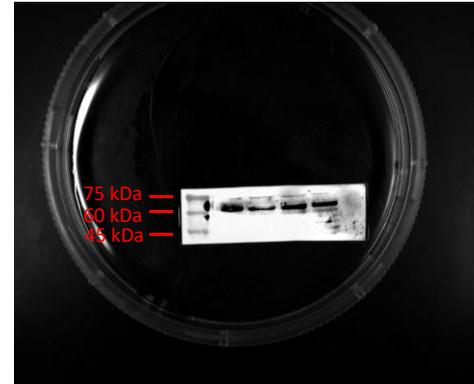


Fig. 5D

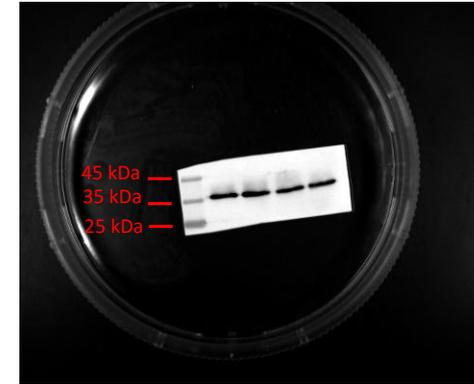
(n=1)



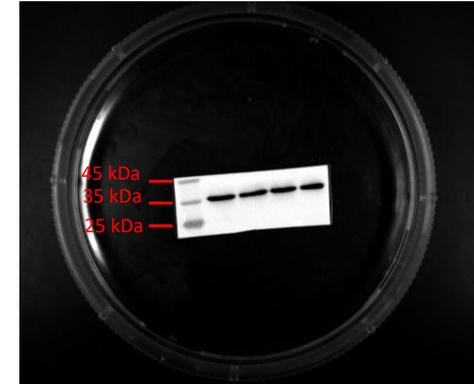
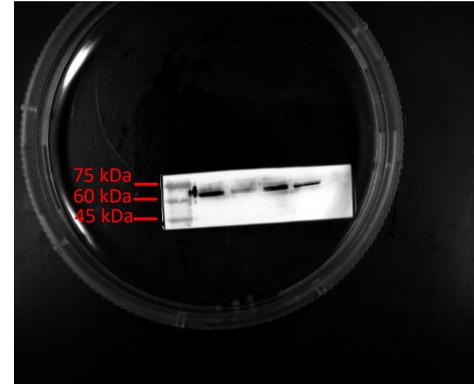
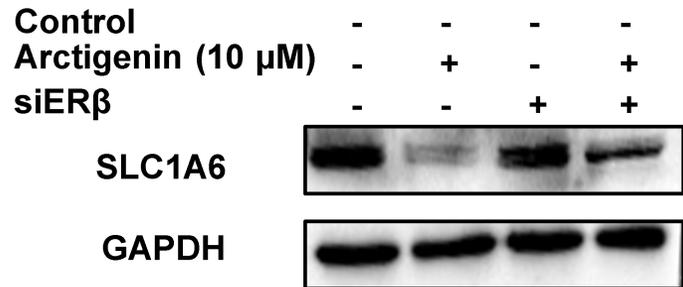
SLC1A6 (64 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

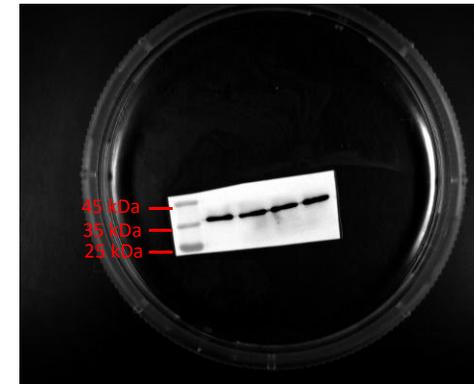
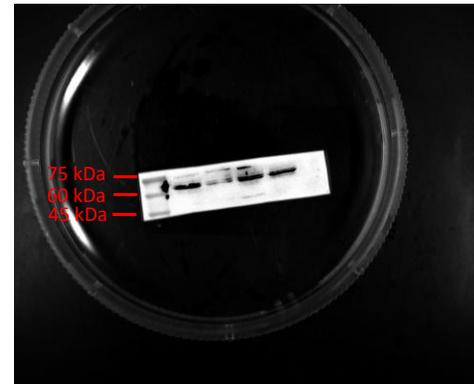
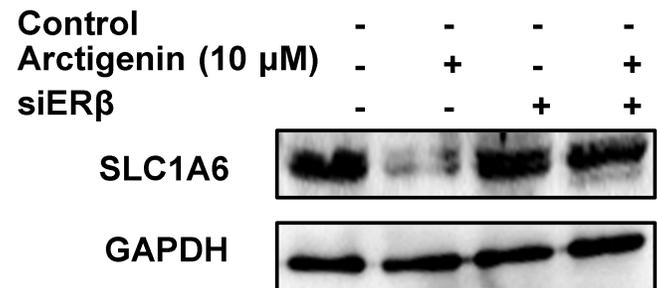
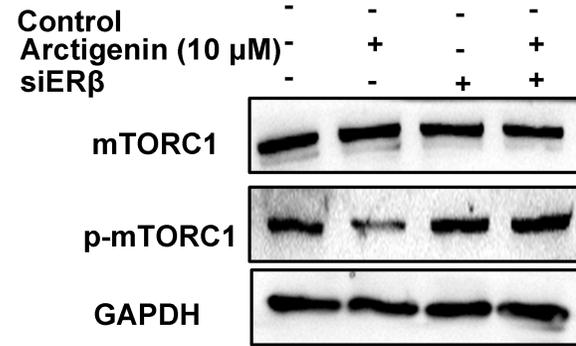
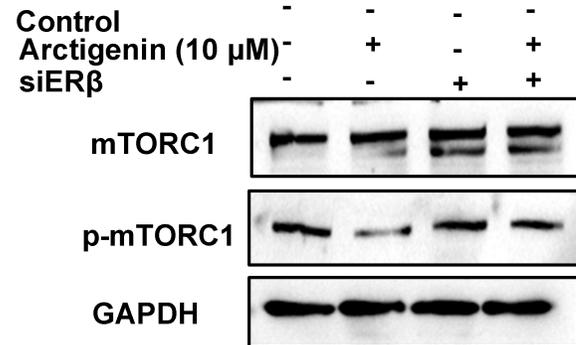


Fig. 5E

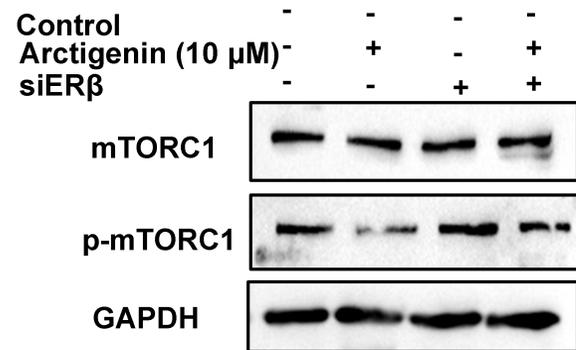
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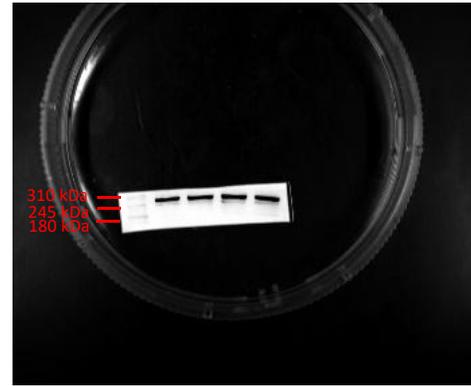
(n=2)



(n=3)



mTORC1 (245 kDa)



p-mTORC1 (269 kDa)



GAPDH (37 kDa)

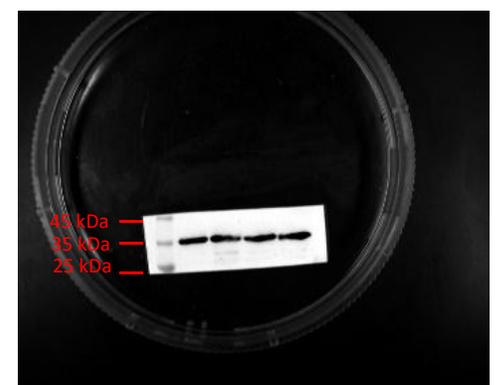
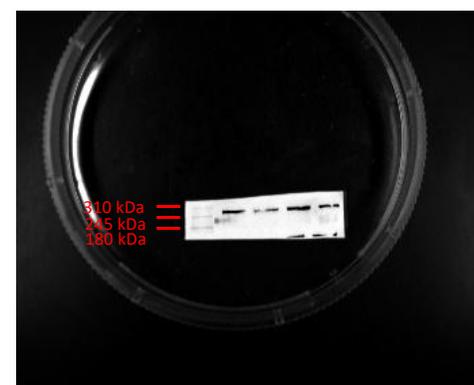
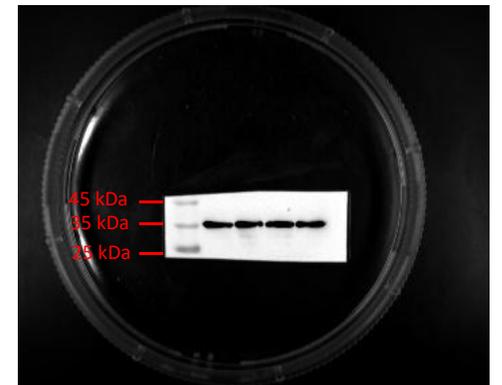
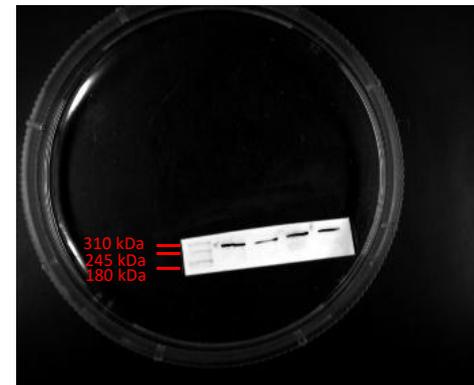
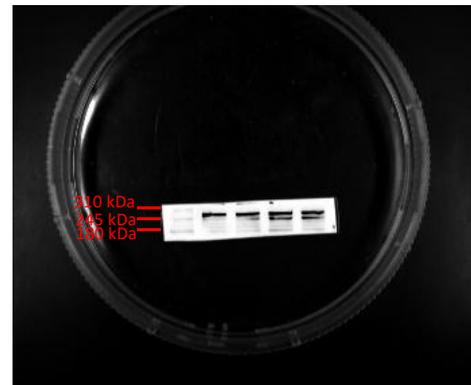
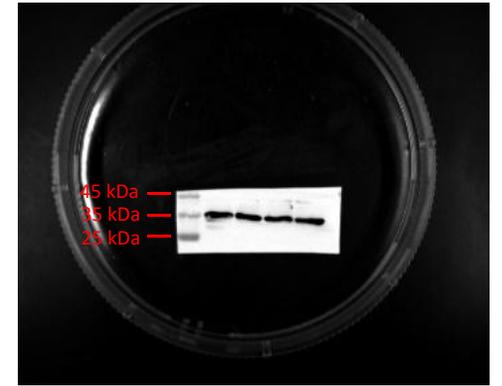
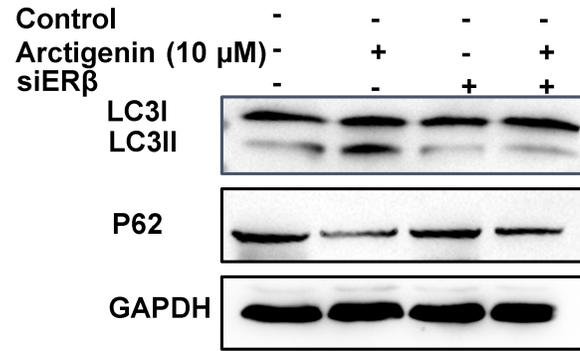
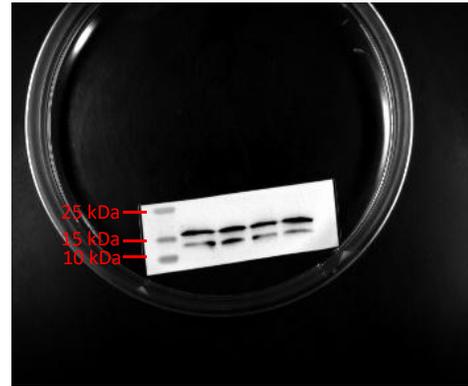


Fig. 5F

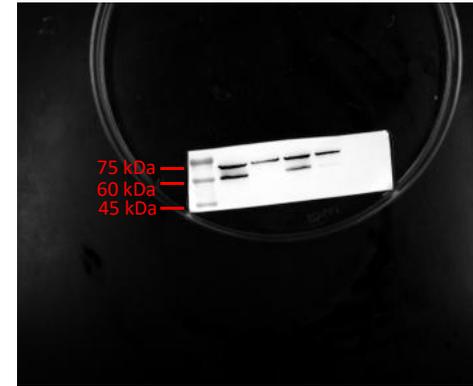
(n=1)



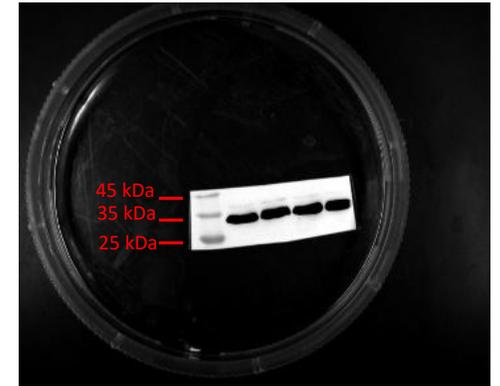
LC3 (18/14 kDa)



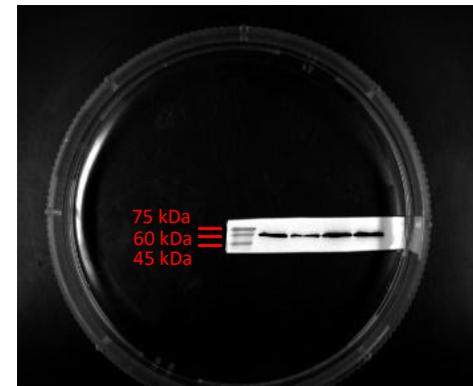
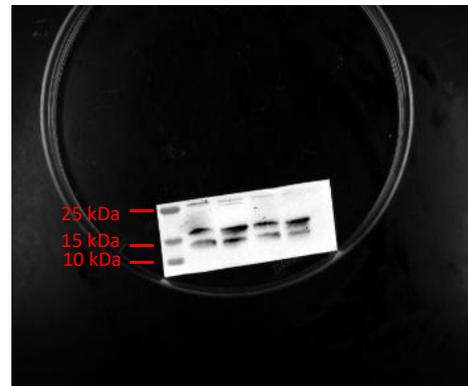
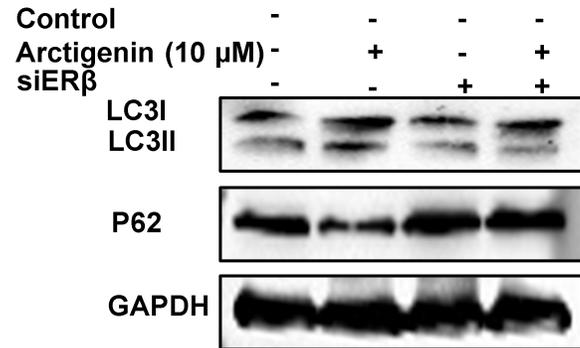
P62 (62 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

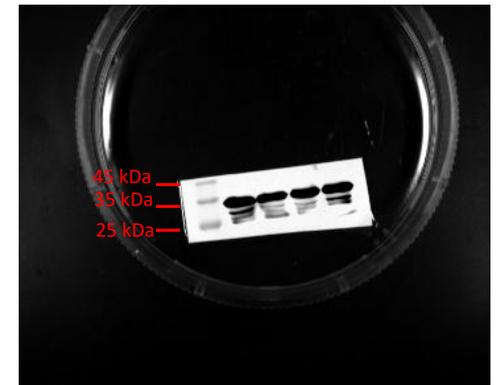
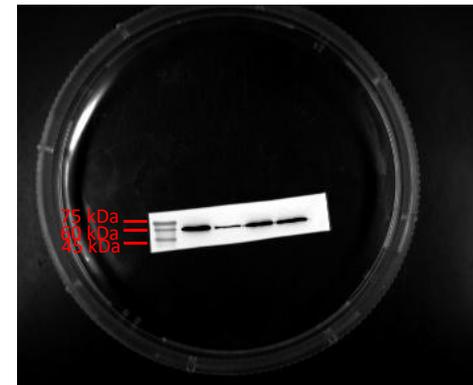
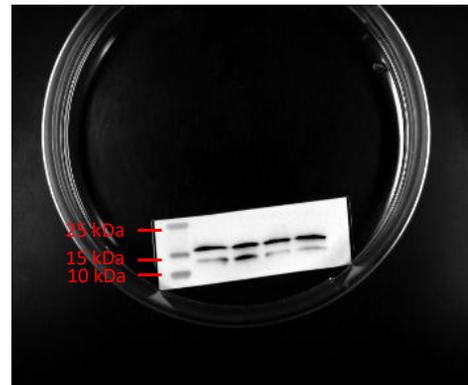
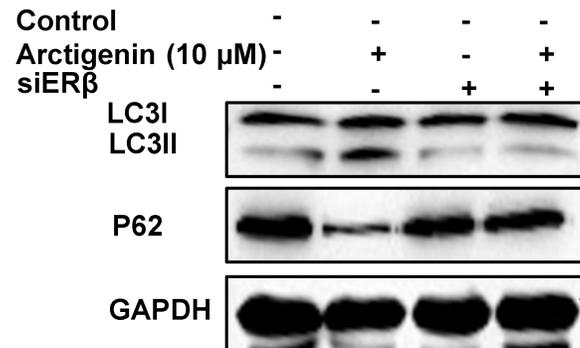
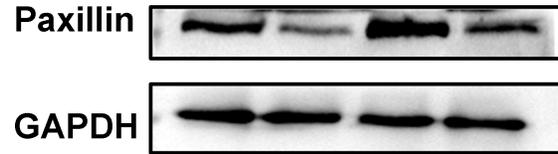


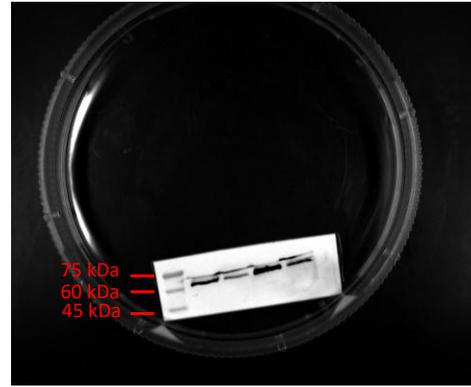
Fig. 5H

(n=1)

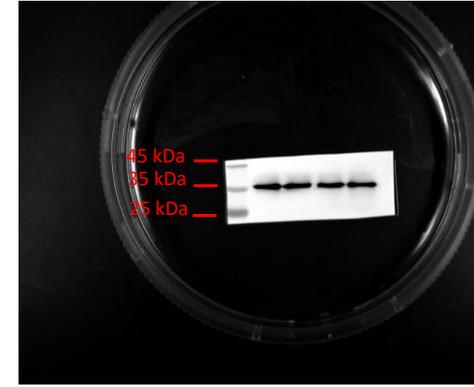
Control	-	-	-	-
Arctigenin (10 μ M)	-	+	-	+
siER β	-	-	+	+



Paxillin (68 kDa)

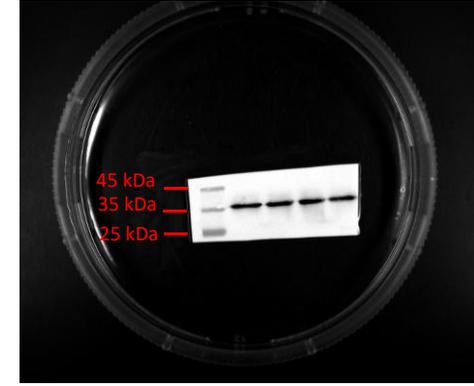
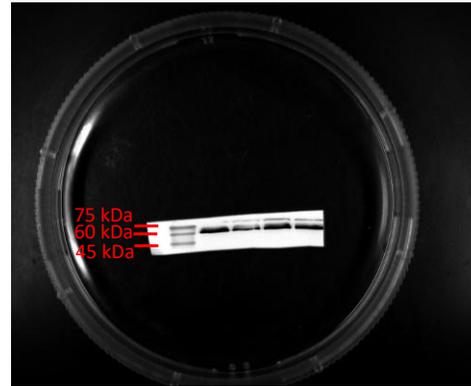
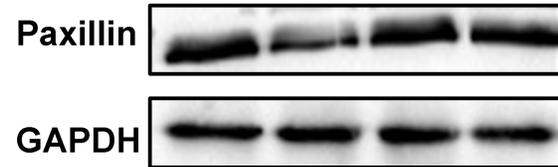


GAPDH (37 kDa)



(n=2)

Control	-	-	-	-
Arctigenin (10 μ M)	-	+	-	+
siER β	-	-	+	+



(n=3)

Control	-	-	-	-
Arctigenin (10 μ M)	-	+	-	+
siER β	-	-	+	+

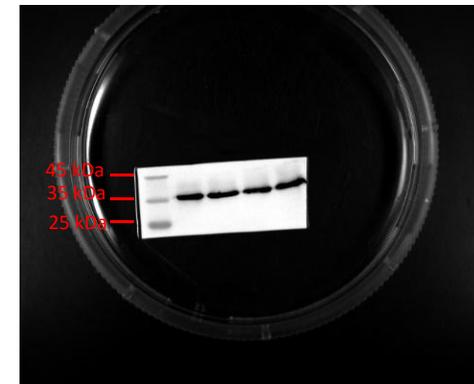
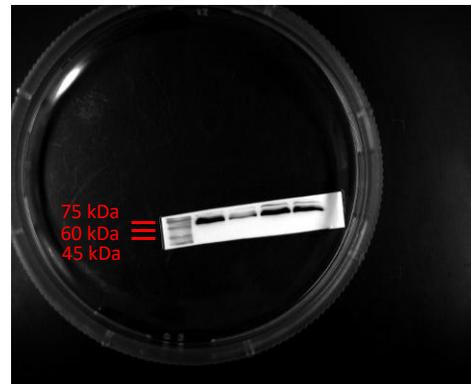
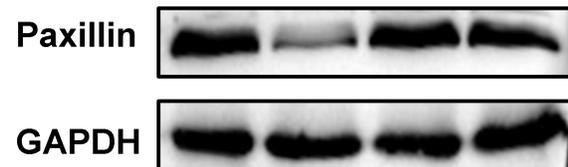
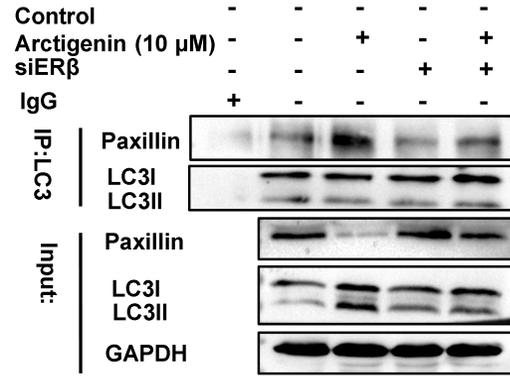
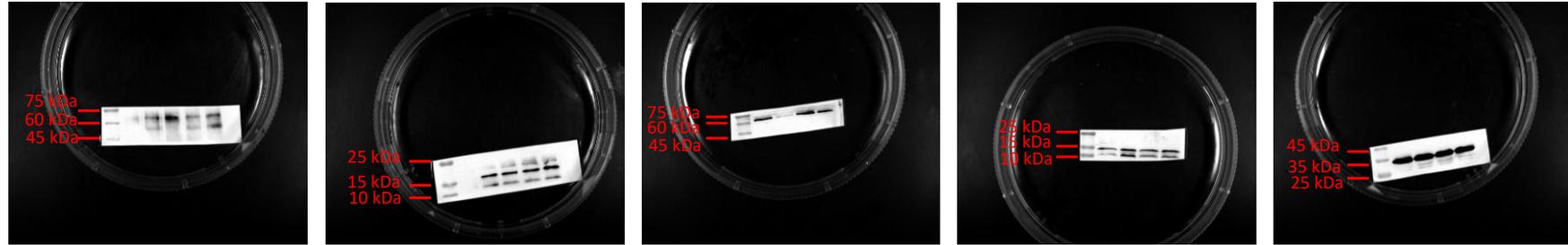


Fig. 5I

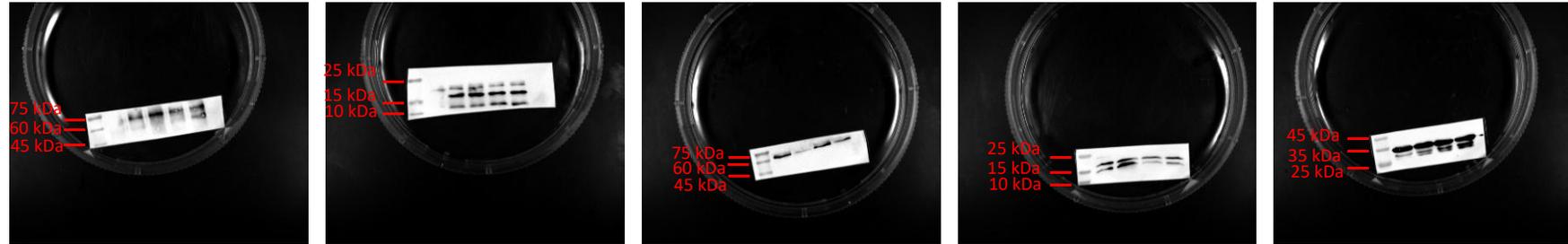
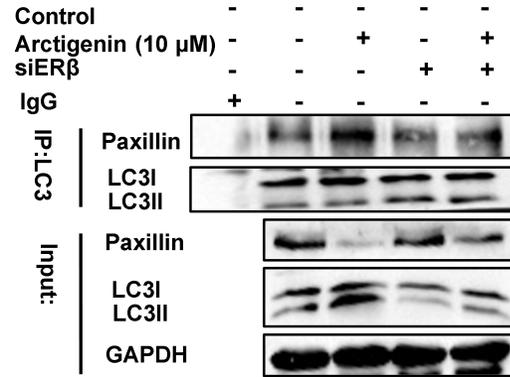
(n=1)



IP- Paxillin (68 kDa) IP- LC3(18/14 kDa) Paxillin (68 kDa) LC3 (18/14 kDa) GAPDH (37 kDa)



(n=2)



(n=3)

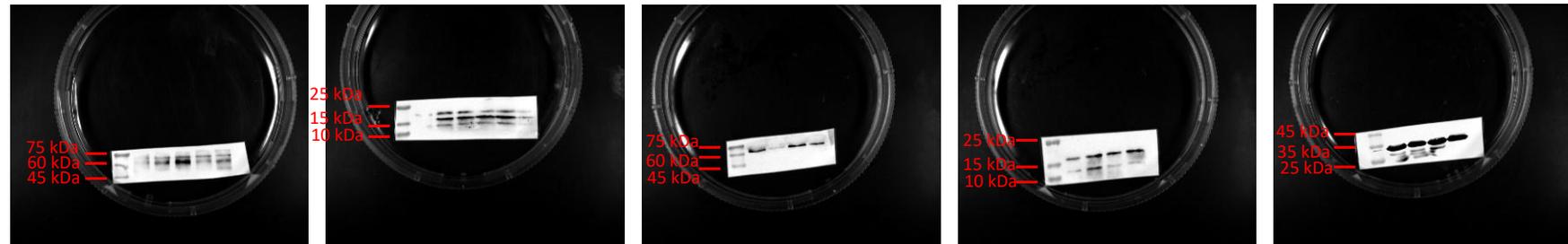
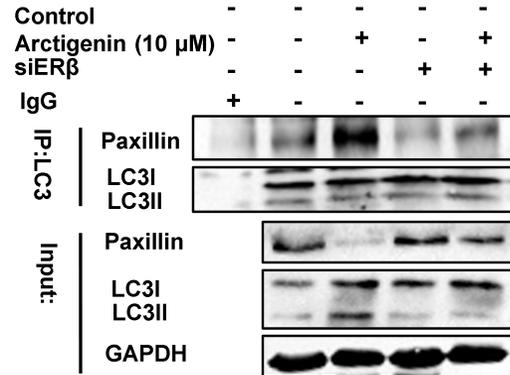
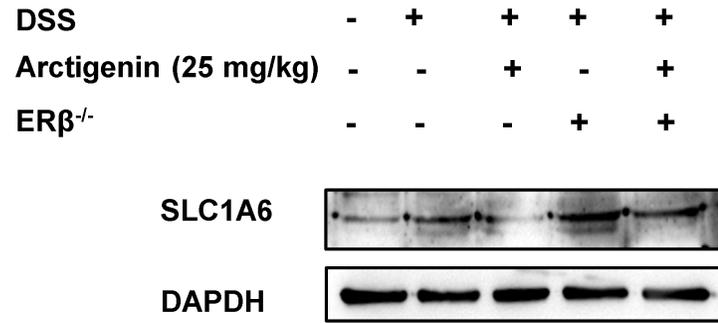
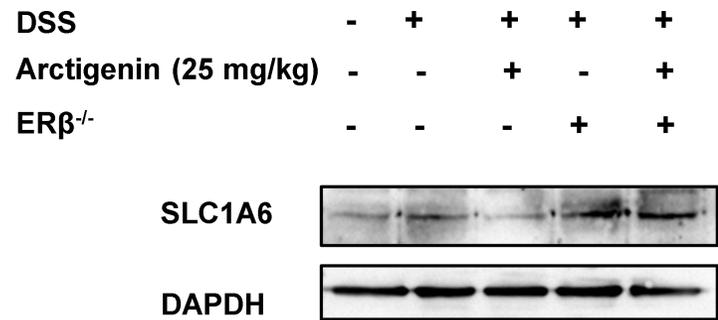


Fig. 7D

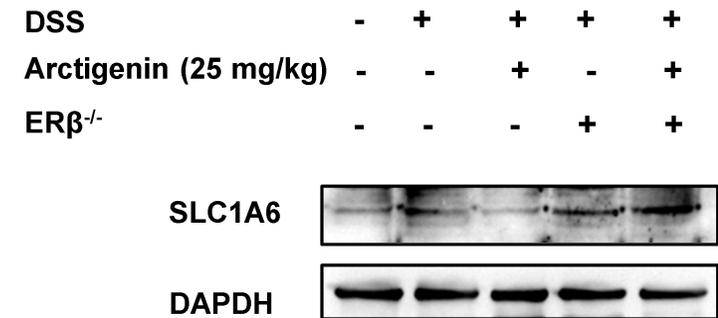
(n=1)



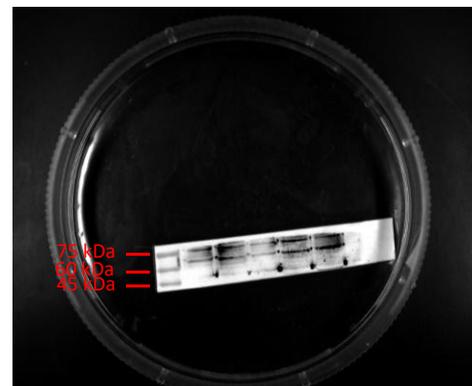
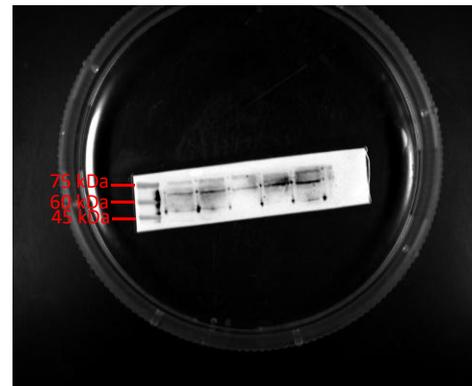
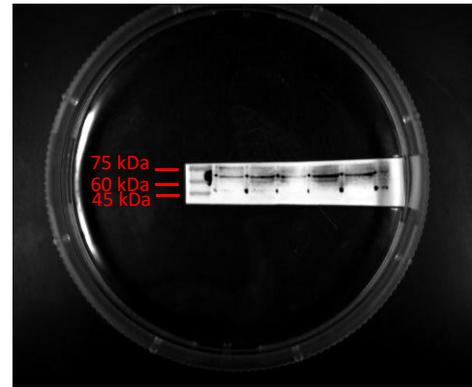
(n=2)



(n=3)



SLC1A6 (64 kDa)



GAPDH (37 kDa)

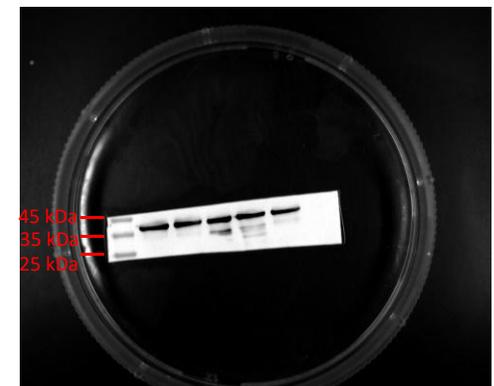
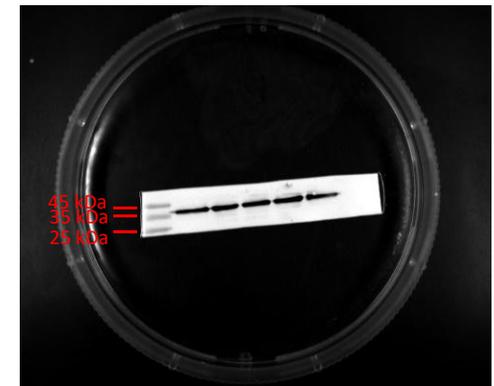
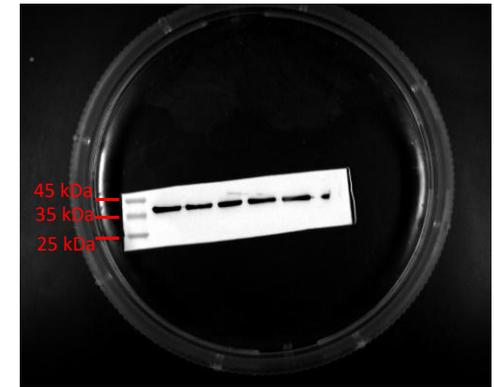
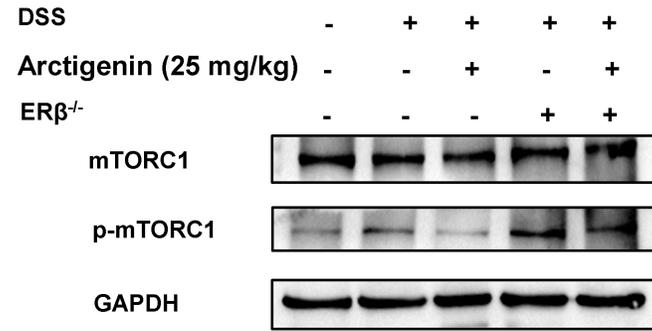
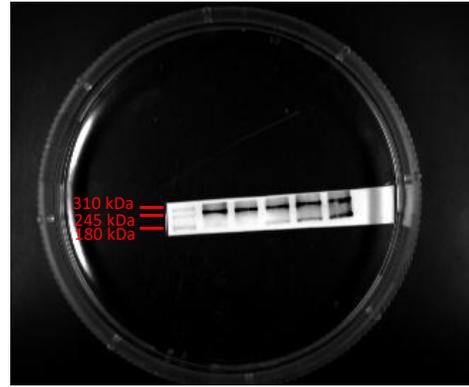


Fig. 7E

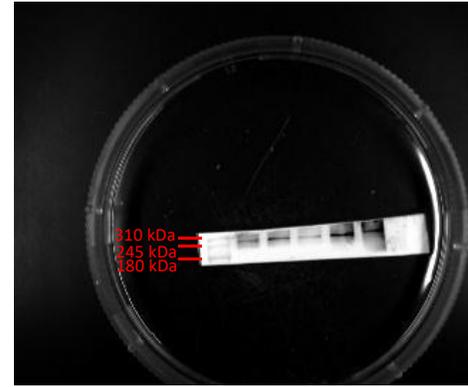
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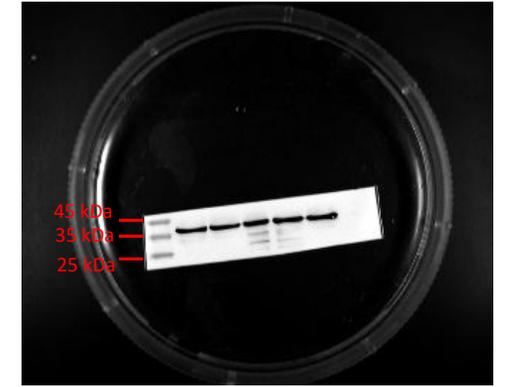
mTORC1 (245 kDa)



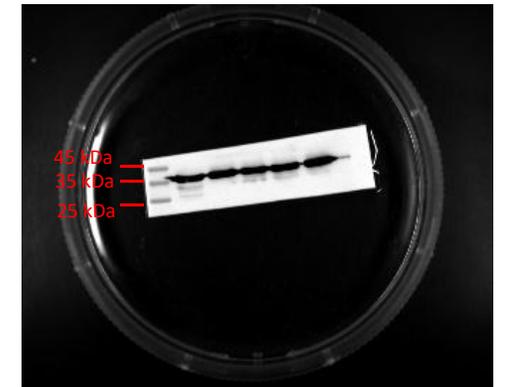
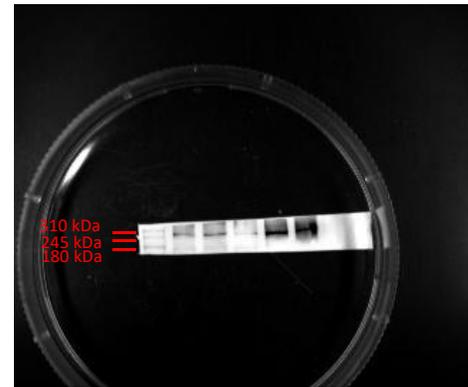
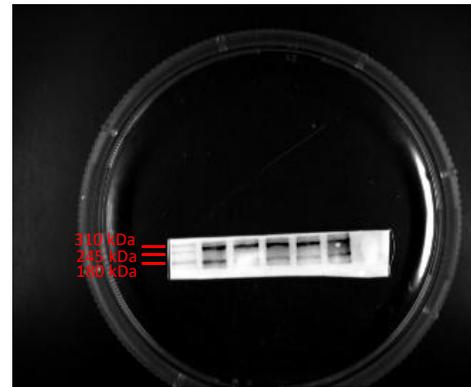
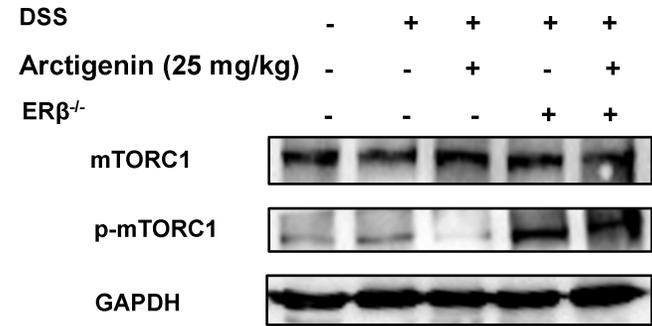
p-mTORC1 (269 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

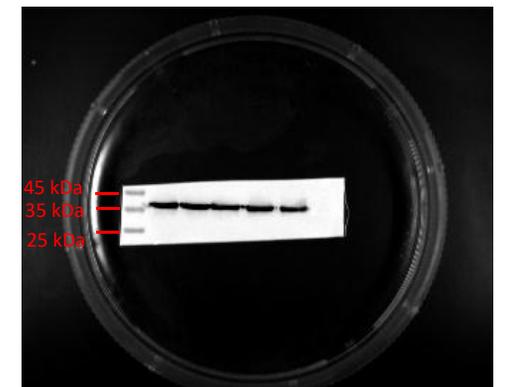
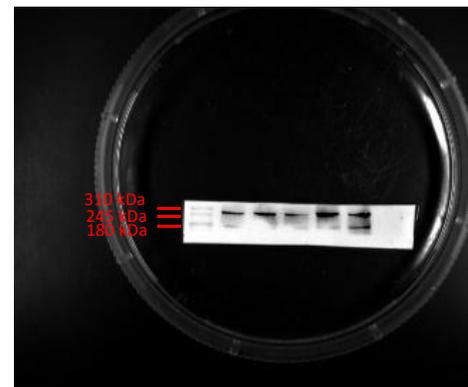
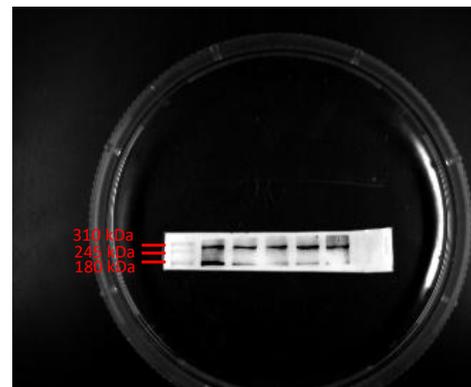
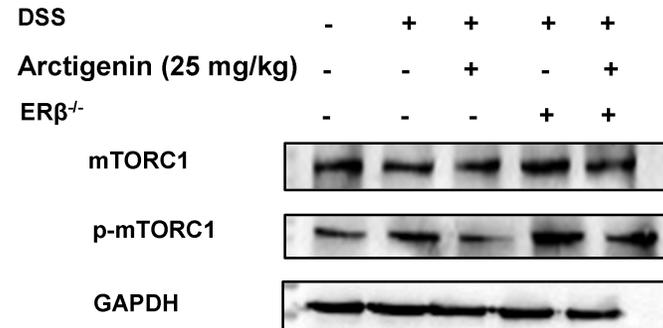
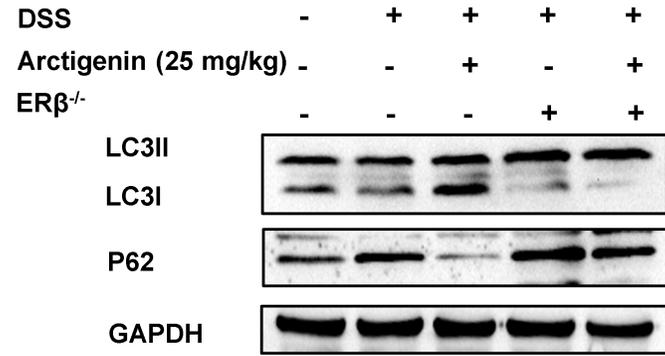
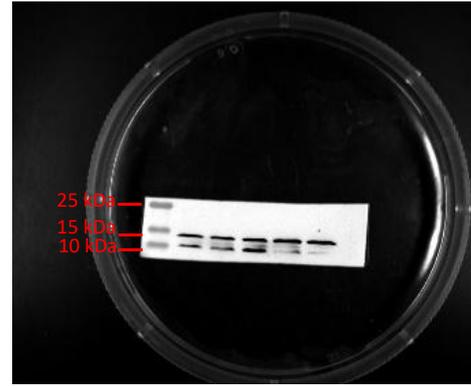


Fig. 7F

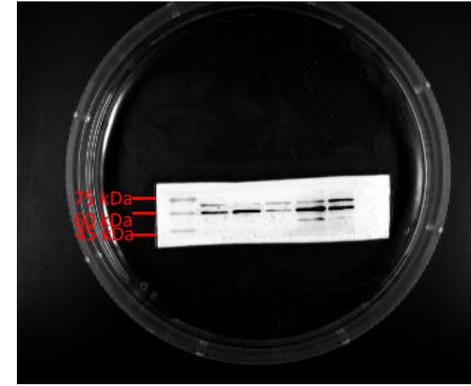
(n=1)



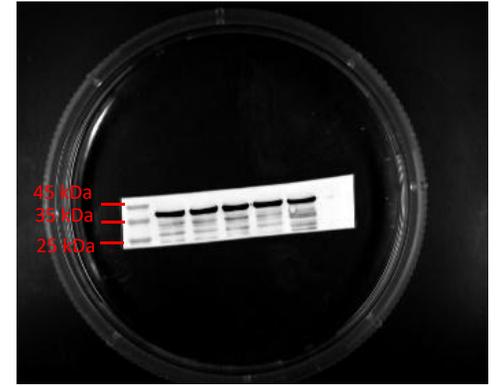
LC3 (18/14 kDa)



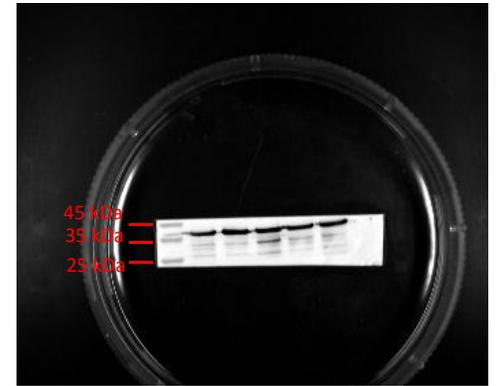
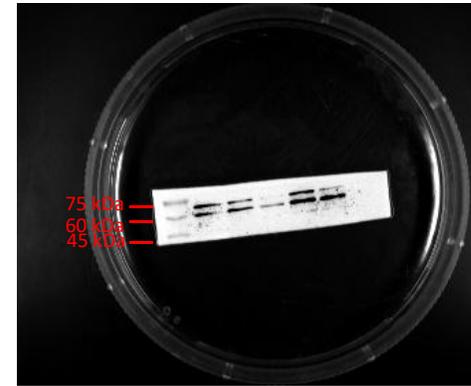
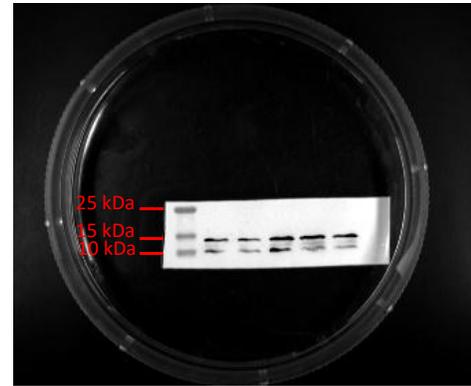
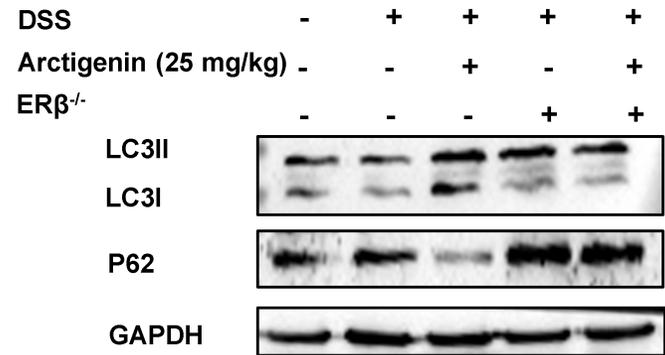
P62 (62 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

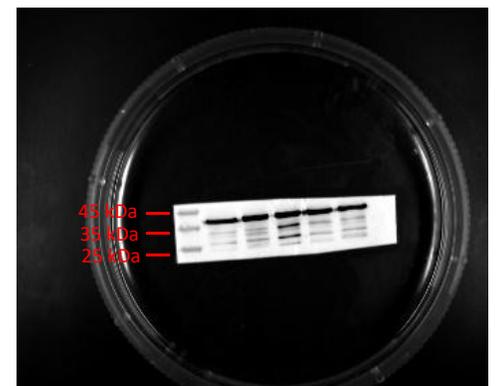
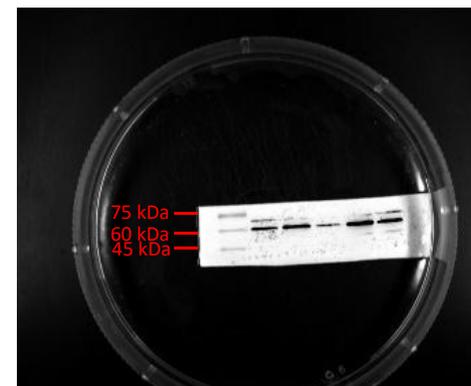
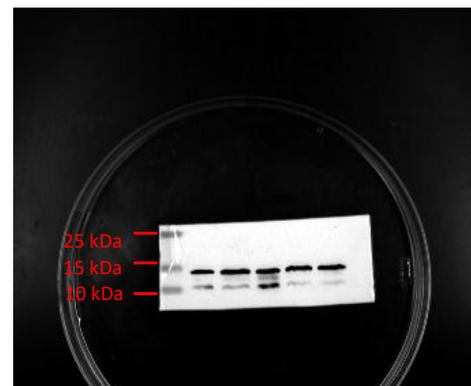
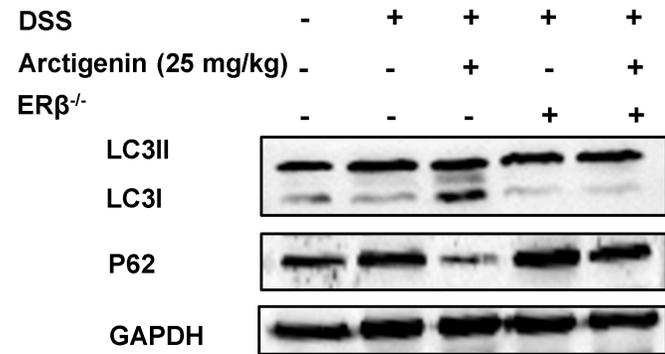
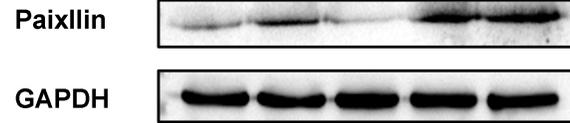


Fig. 7G

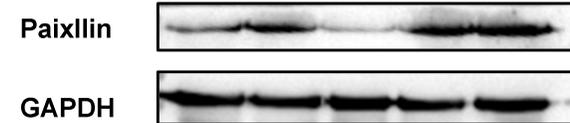
(n=1)

DSS	-	+	+	+	+
Arctigenin (25 mg/kg)	-	-	+	-	+
ER β ^{-/-}	-	-	-	+	+



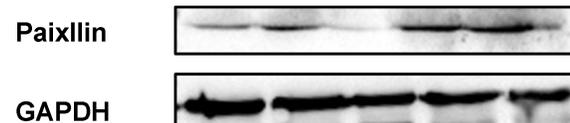
(n=2)

DSS	-	+	+	+	+
Arctigenin (25 mg/kg)	-	-	+	-	+
ER β ^{-/-}	-	-	-	+	+

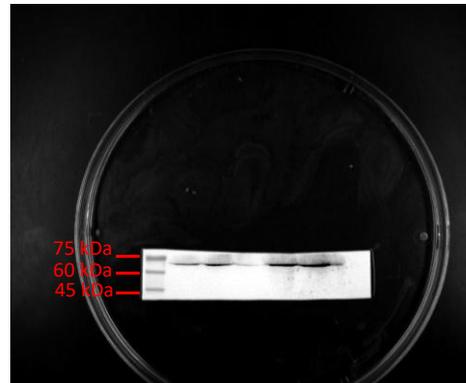
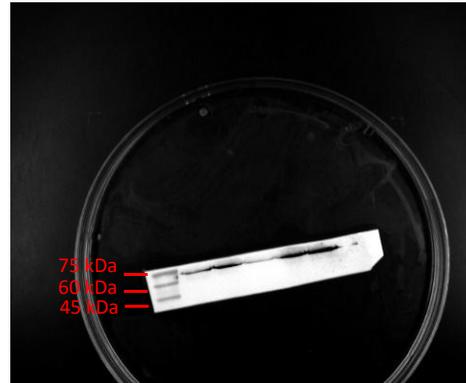
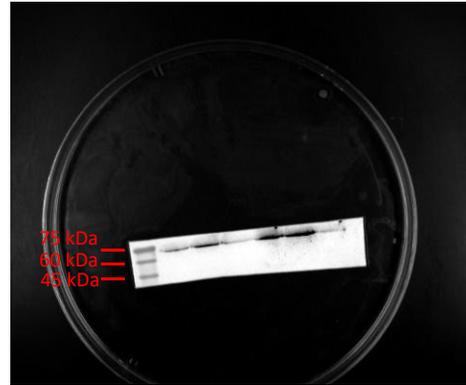


(n=3)

DSS	-	+	+	+	+
Arctigenin (25 mg/kg)	-	-	+	-	+
ER β ^{-/-}	-	-	-	+	+



Paxillin (68 kDa)



GAPDH (37 kDa)

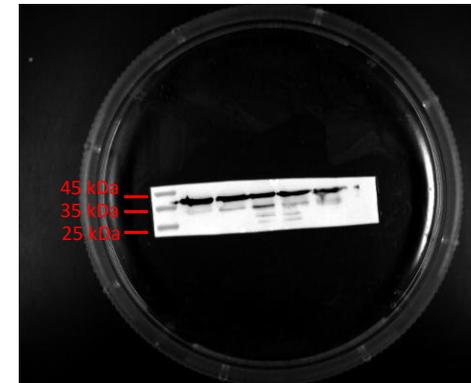
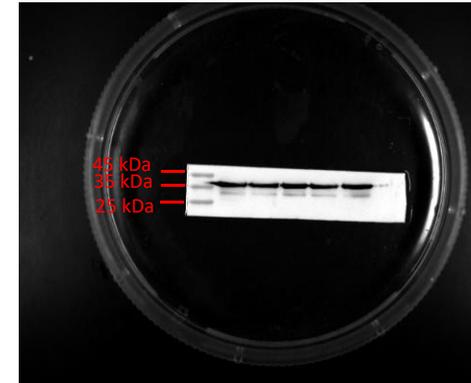
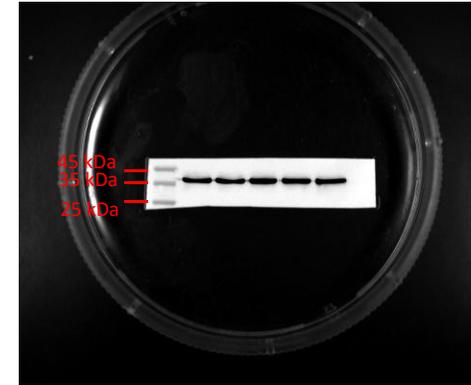
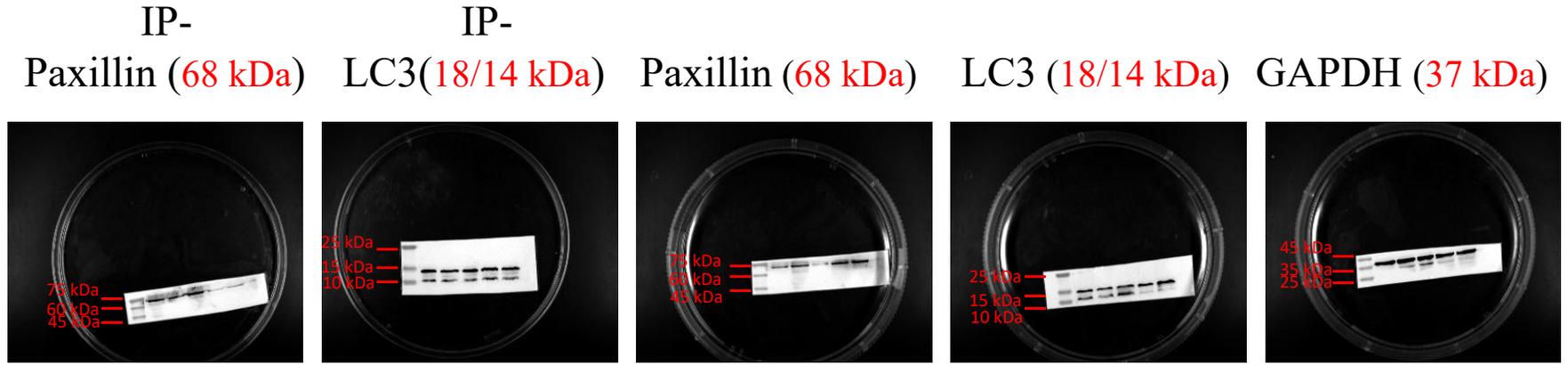
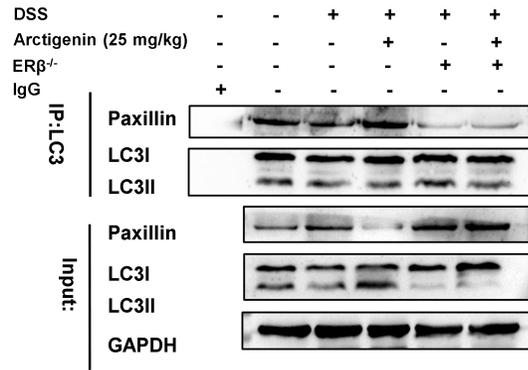
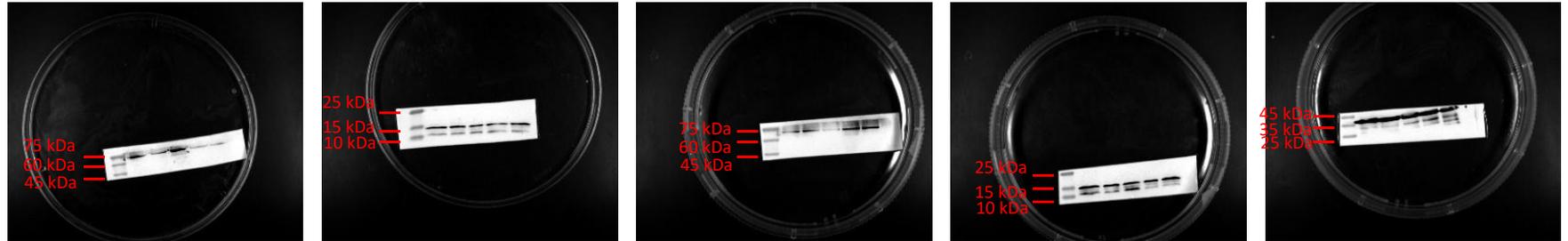
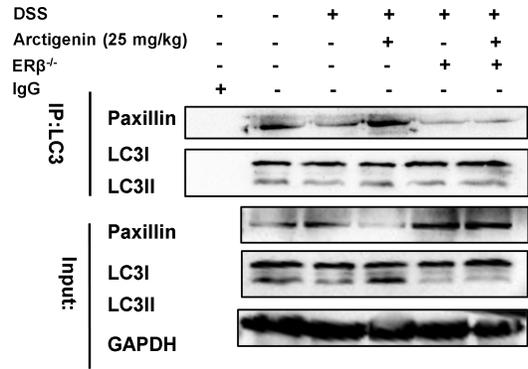


Fig. 7H

(n=1)



(n=2)



(n=3)

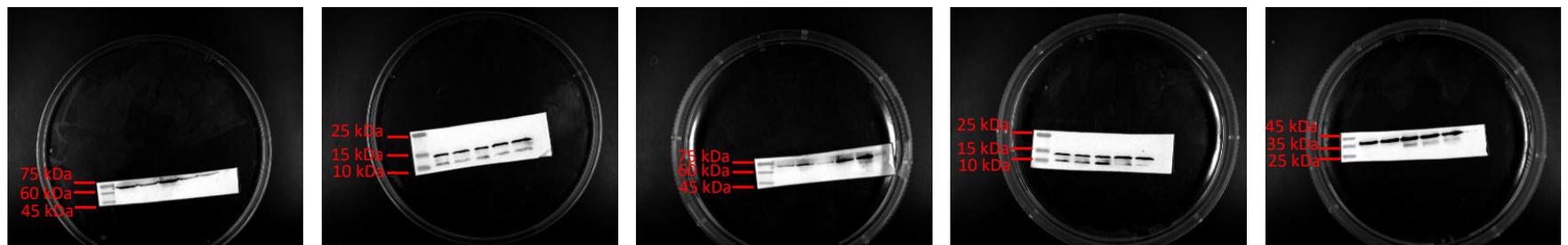
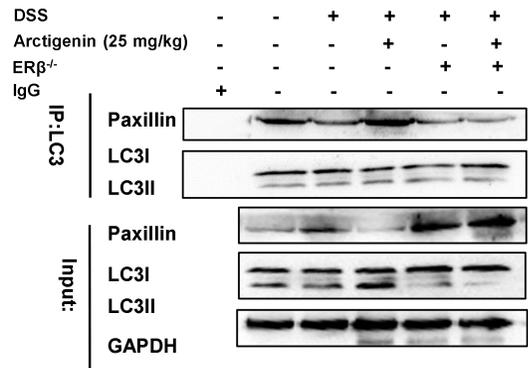
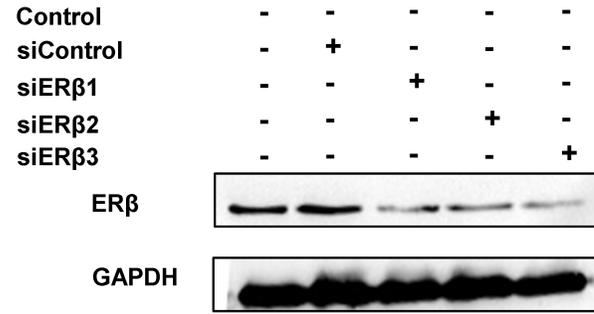
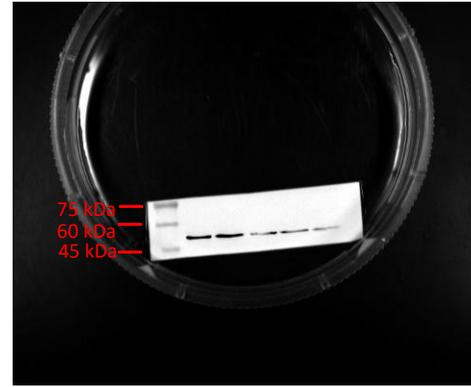


Fig. S3 A

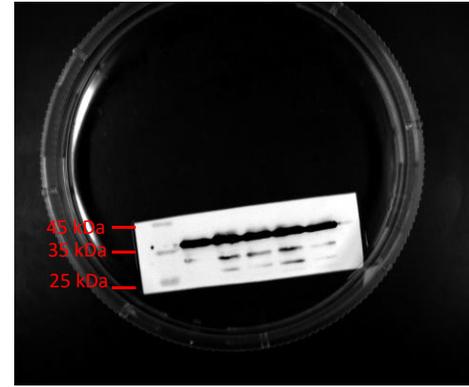
(n=1)



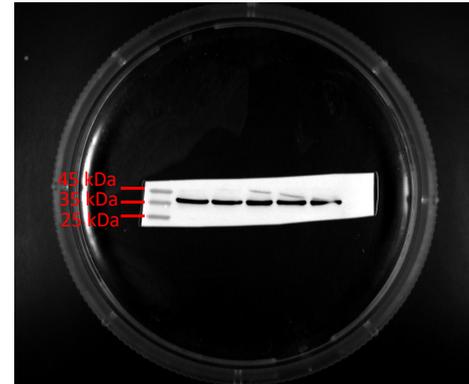
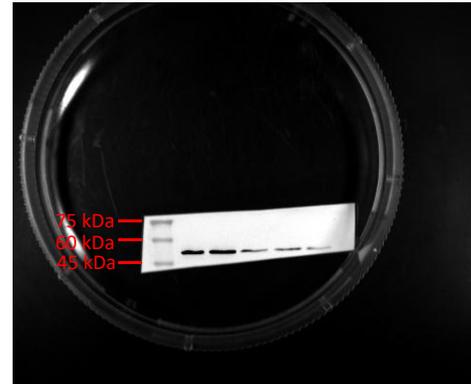
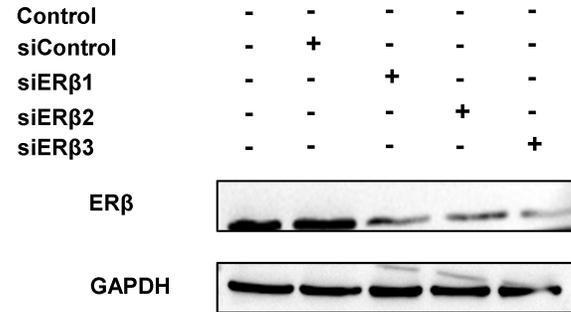
ERβ (54 kDa)



GAPDH (37 kDa)



(n=2)



(n=3)

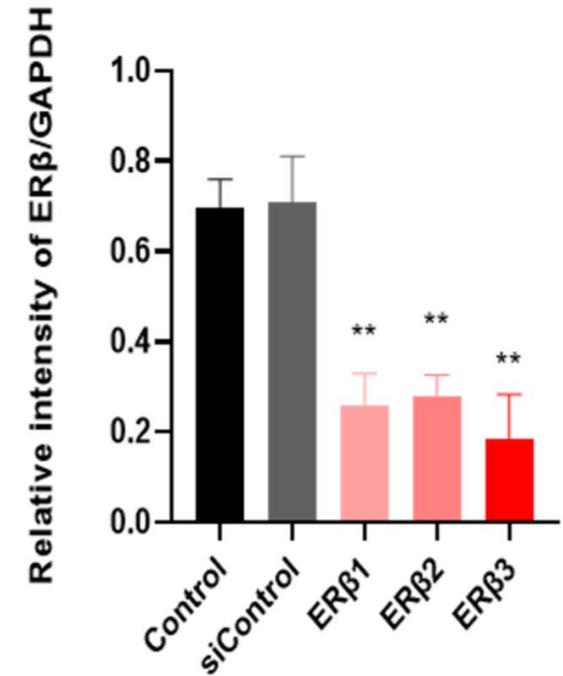
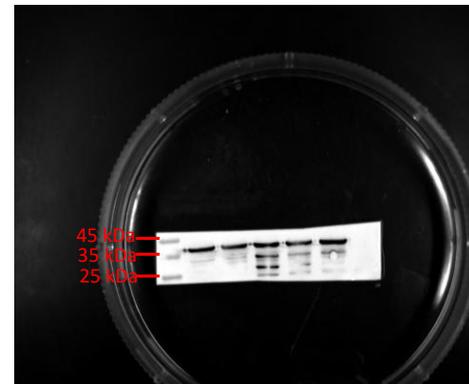
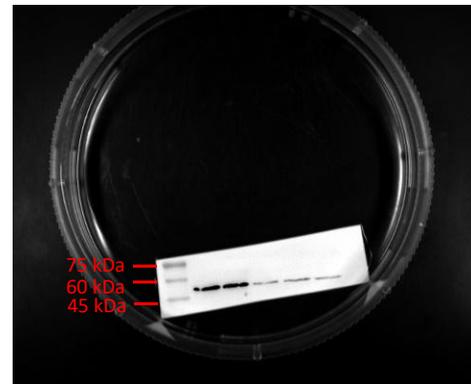
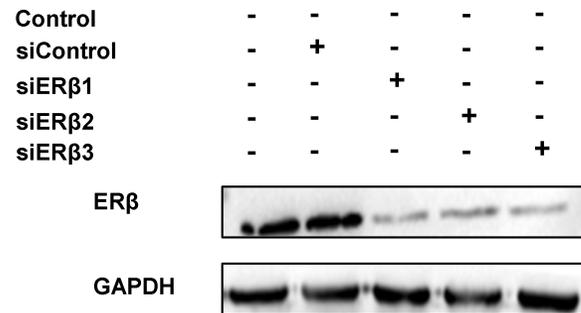
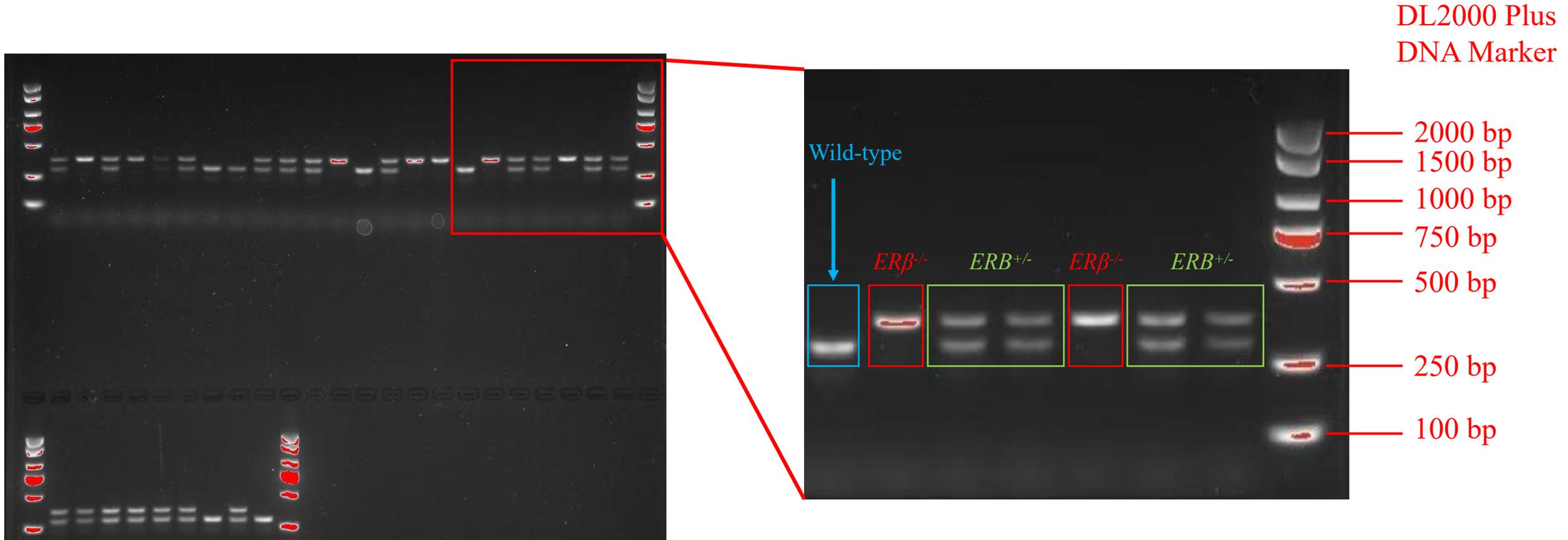


Fig. S3 B



(B) The tail tissue samples were collected from *ERβ* knockout mouse. Wild-type mice, *ERβ*^{-/-} mice, and *ERβ*^{+/-} mice were identified by PCR and agarose gel electrophoresis.

Wild type: 283 bp
ERβ^{+/-}: 283 and 353 bp
ERβ^{-/-}: 353 bp