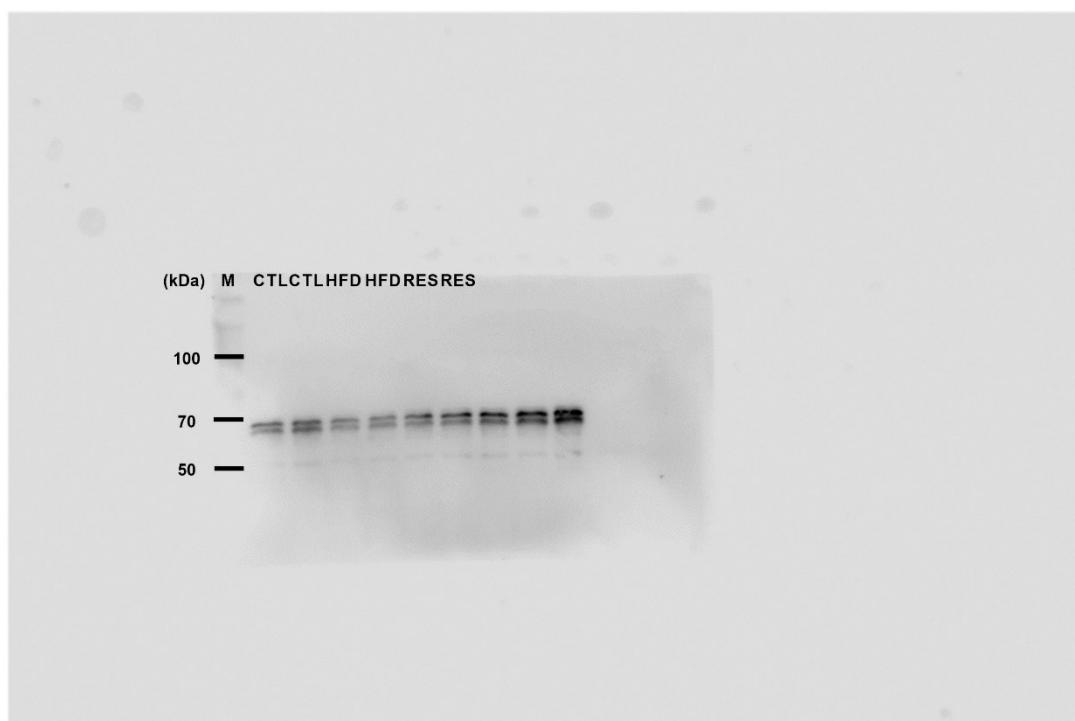


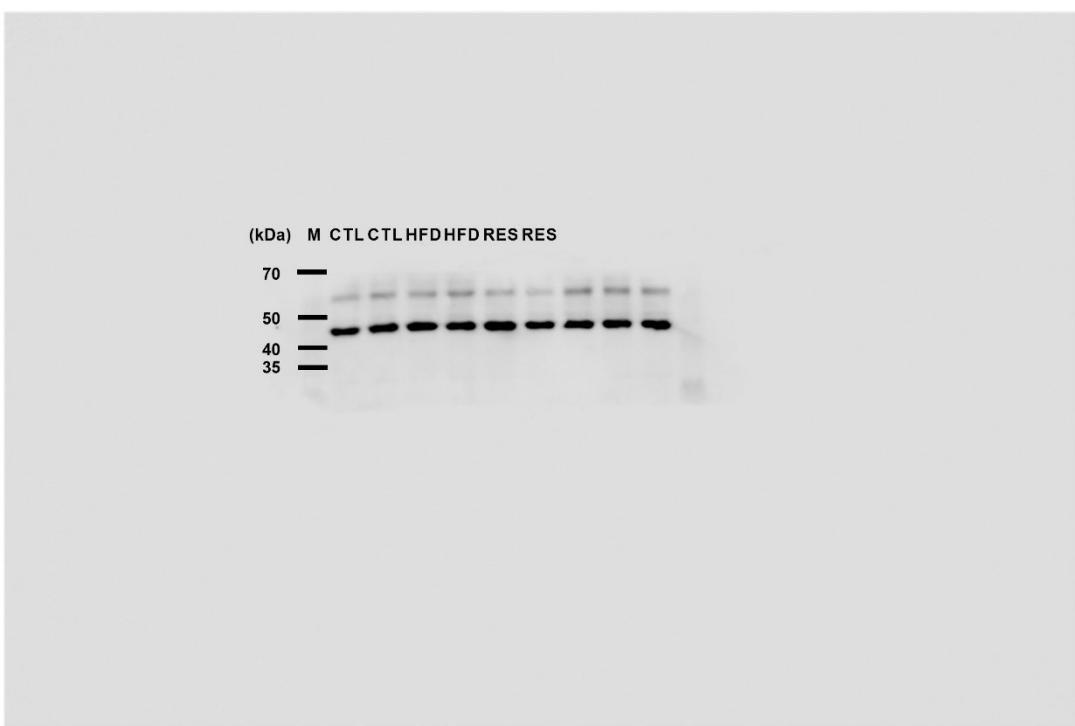
**Fig 3C.  $\beta$ -actin**



**Fig 3C. Nrf1**



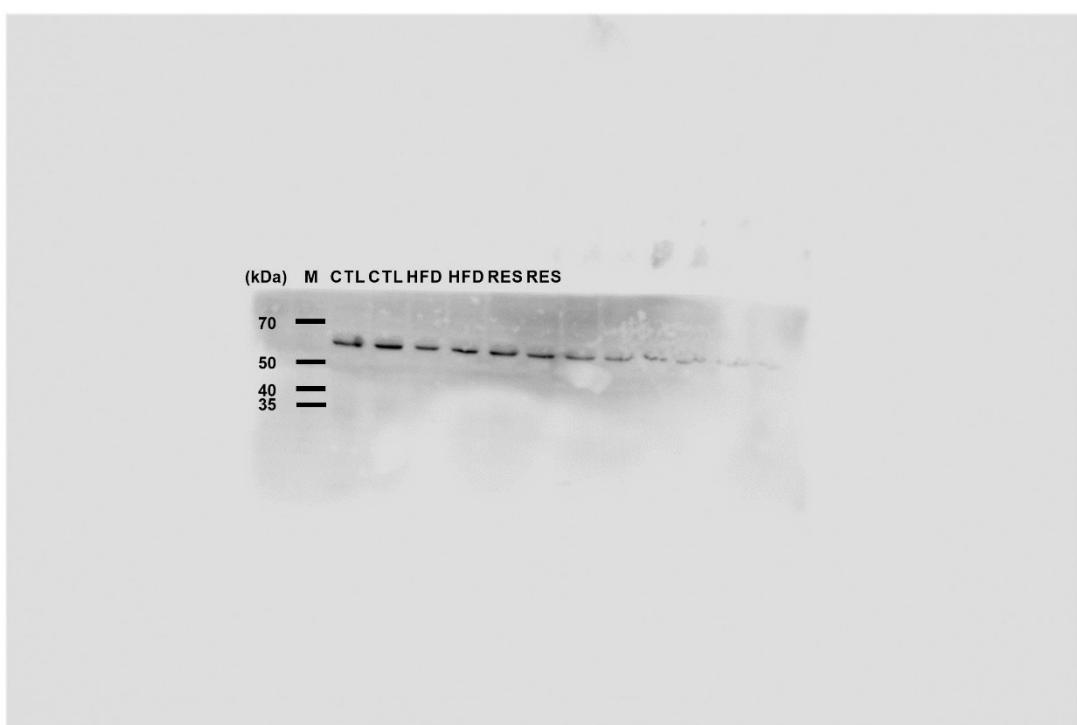
**Fig 3C. PGC-1 $\alpha$**



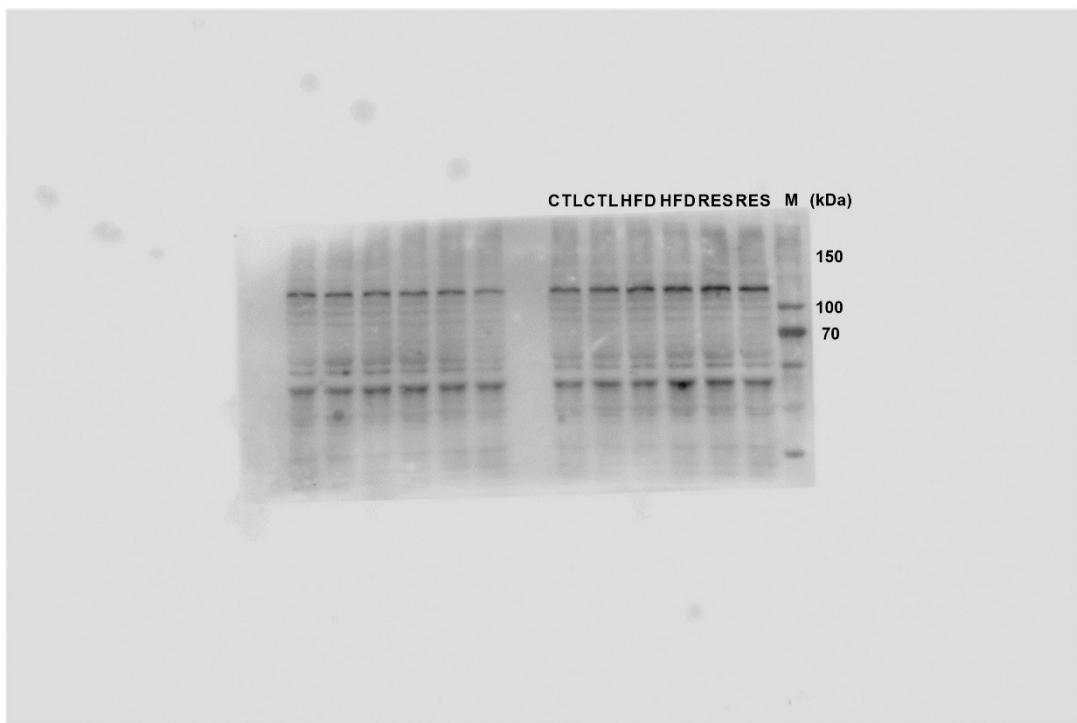
**Fig 3F.  $\beta$ -actin**



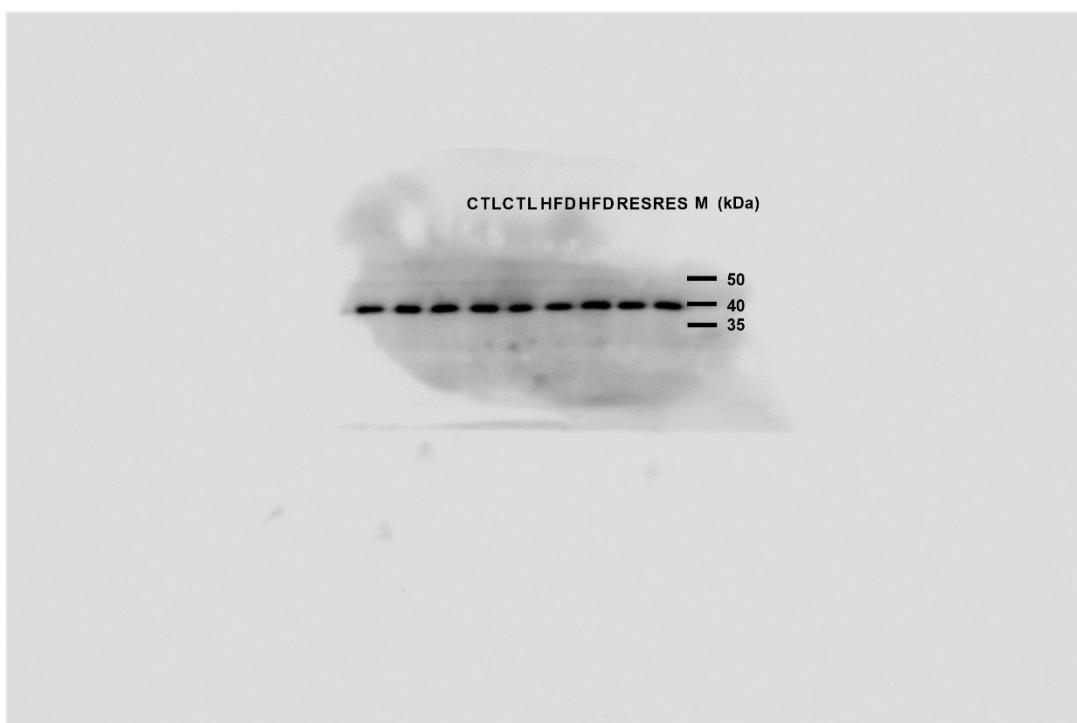
**Fig 3F. AMPK**



**Fig 3F. p-AMPK**



**Fig 3F. Sirt1**



**Fig 3I. p38**

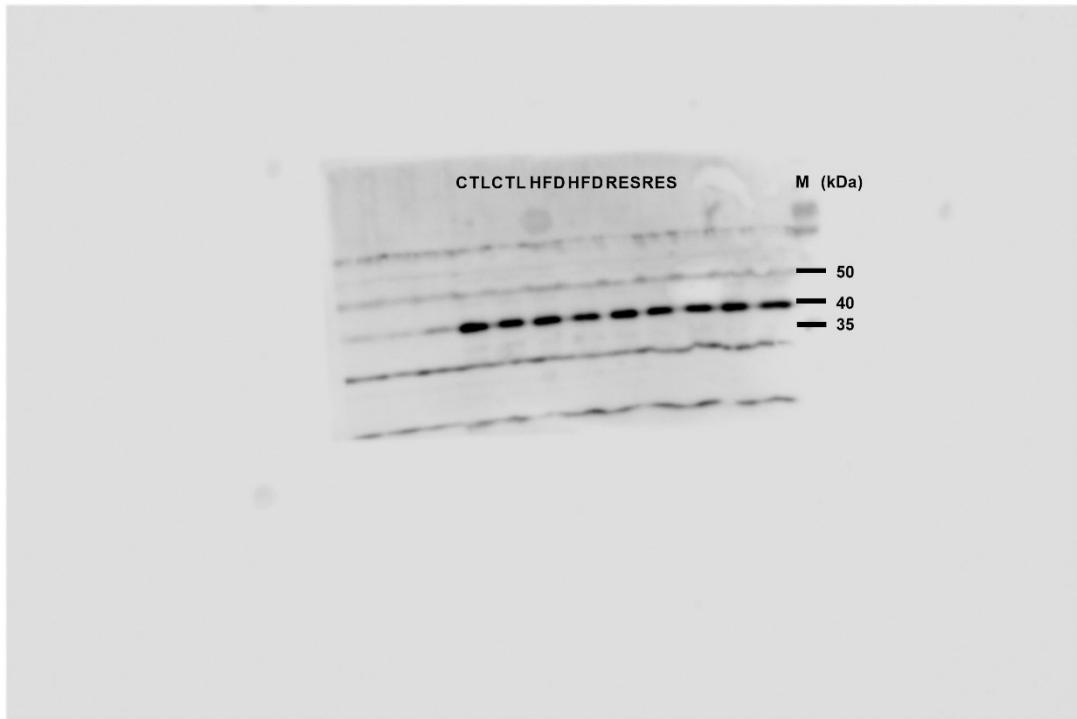


Fig 3I. p-p38

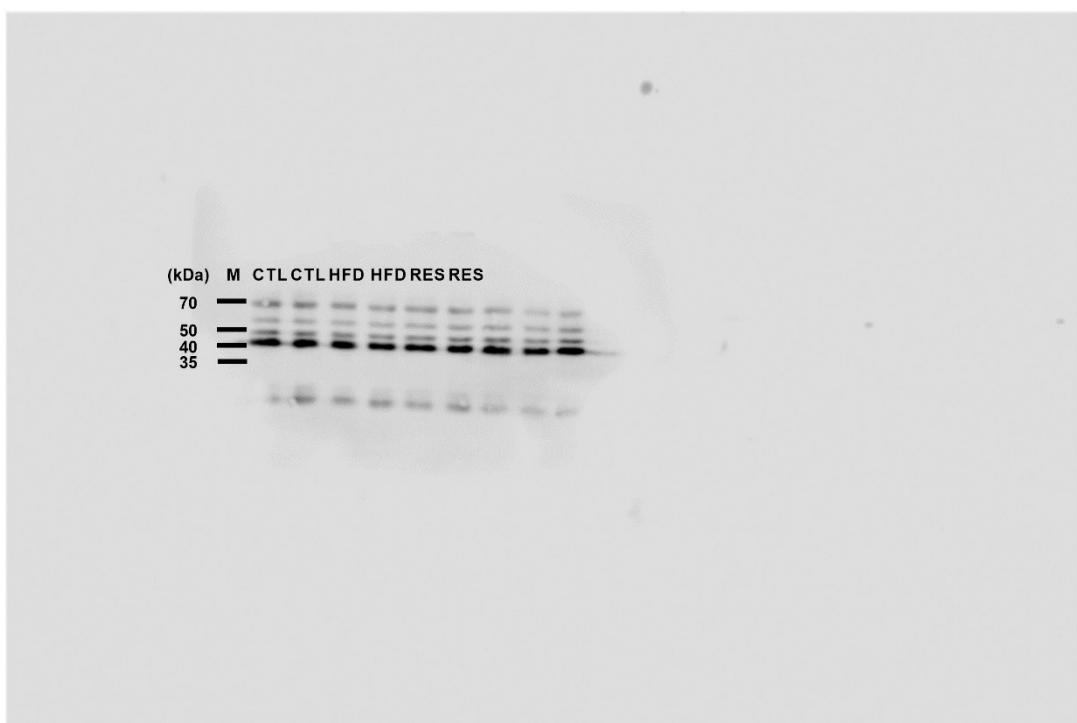
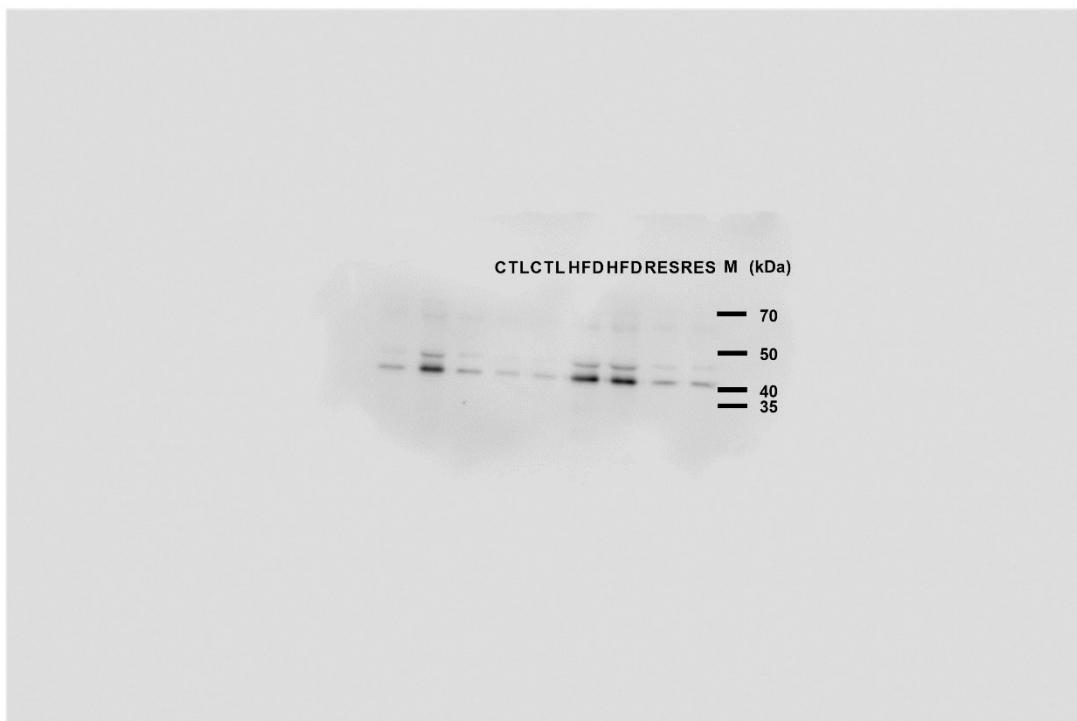
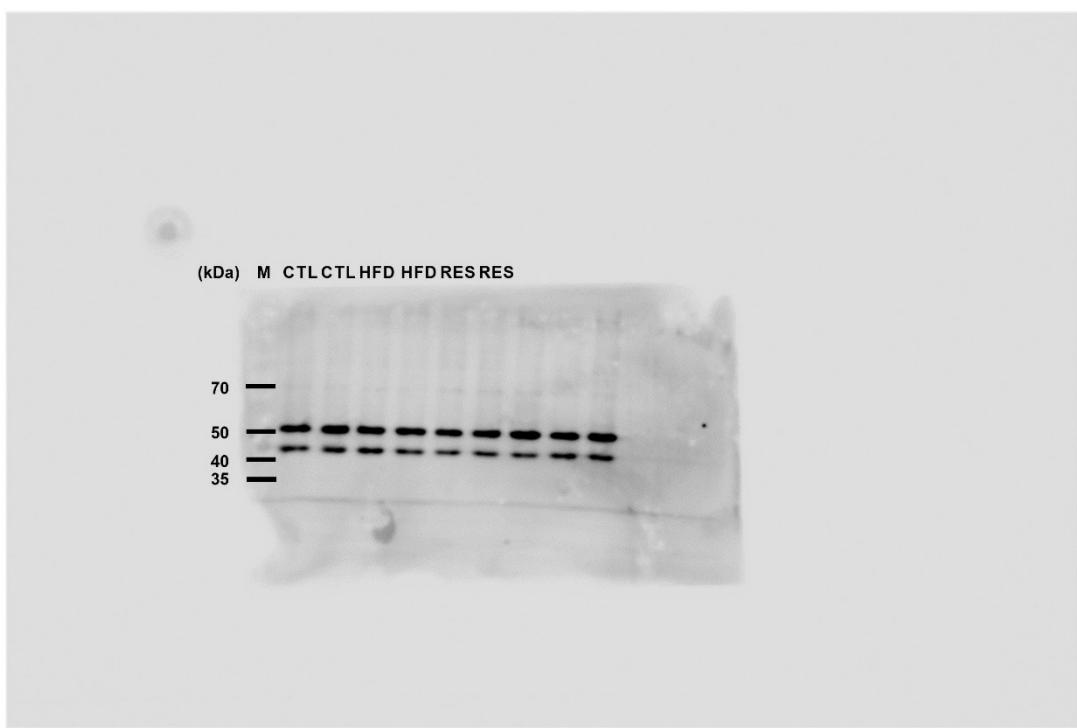


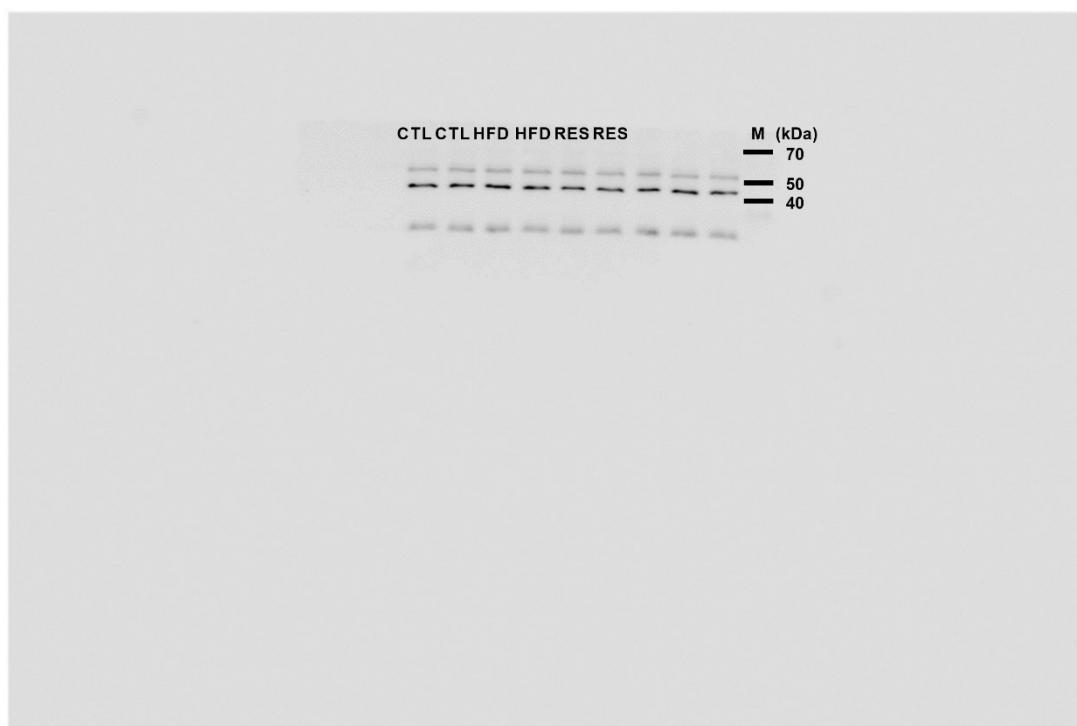
Fig 3I. ERK



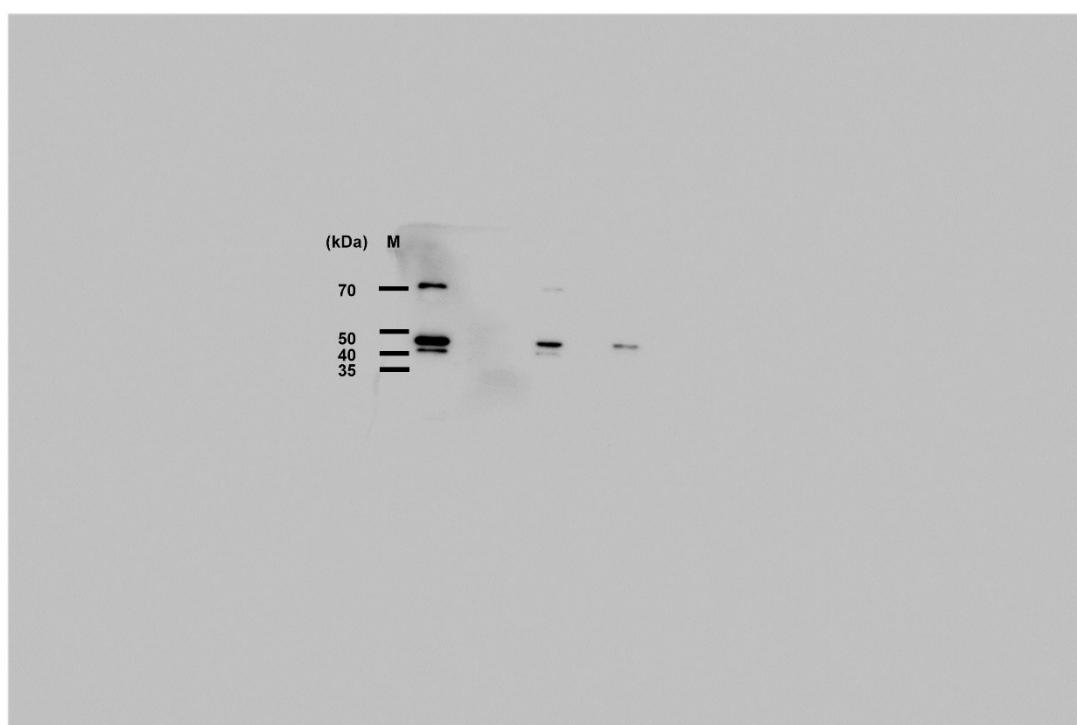
**Fig 3I. p-ERK**



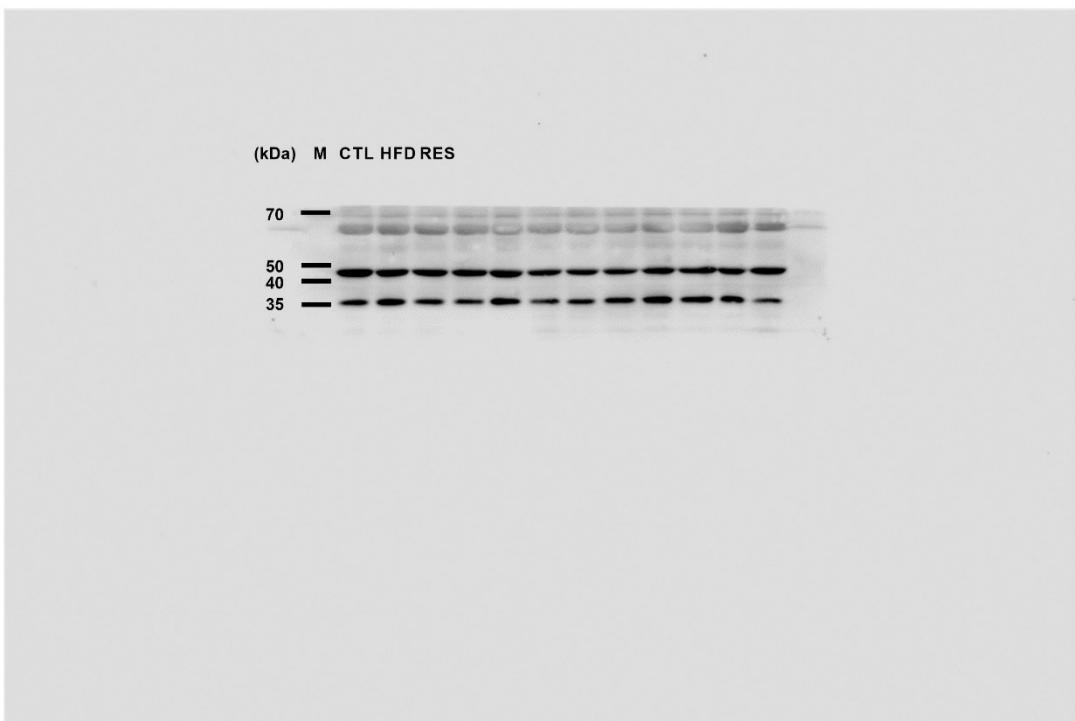
**Fig 3I. JNK**



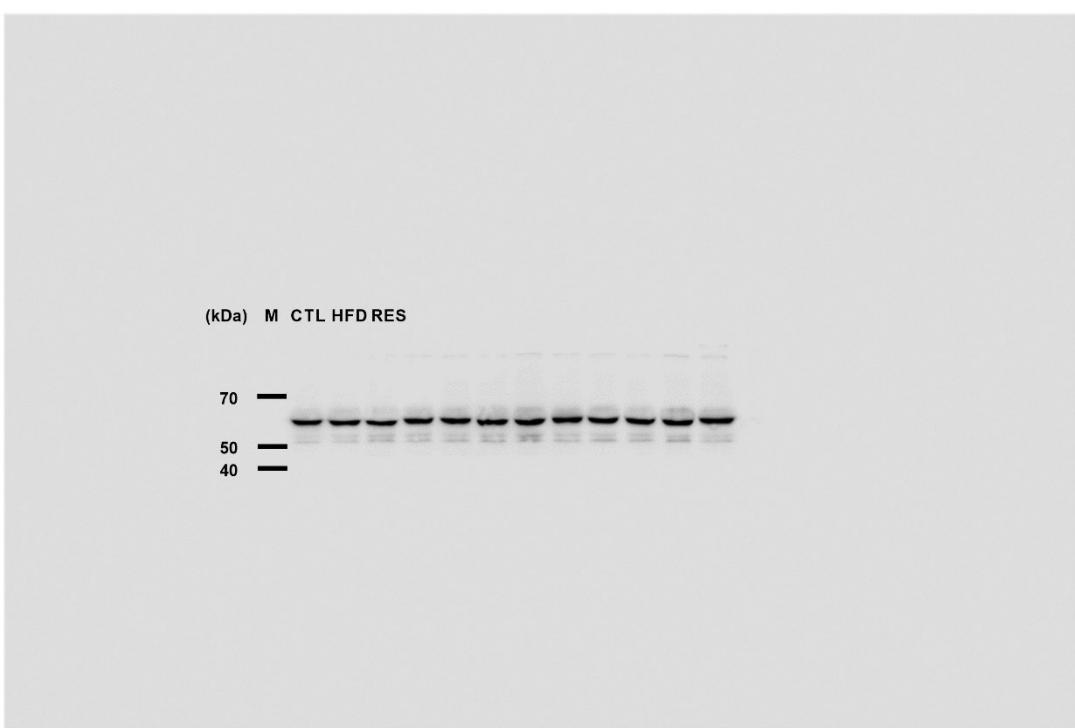
**Fig 3I. p-JNK**



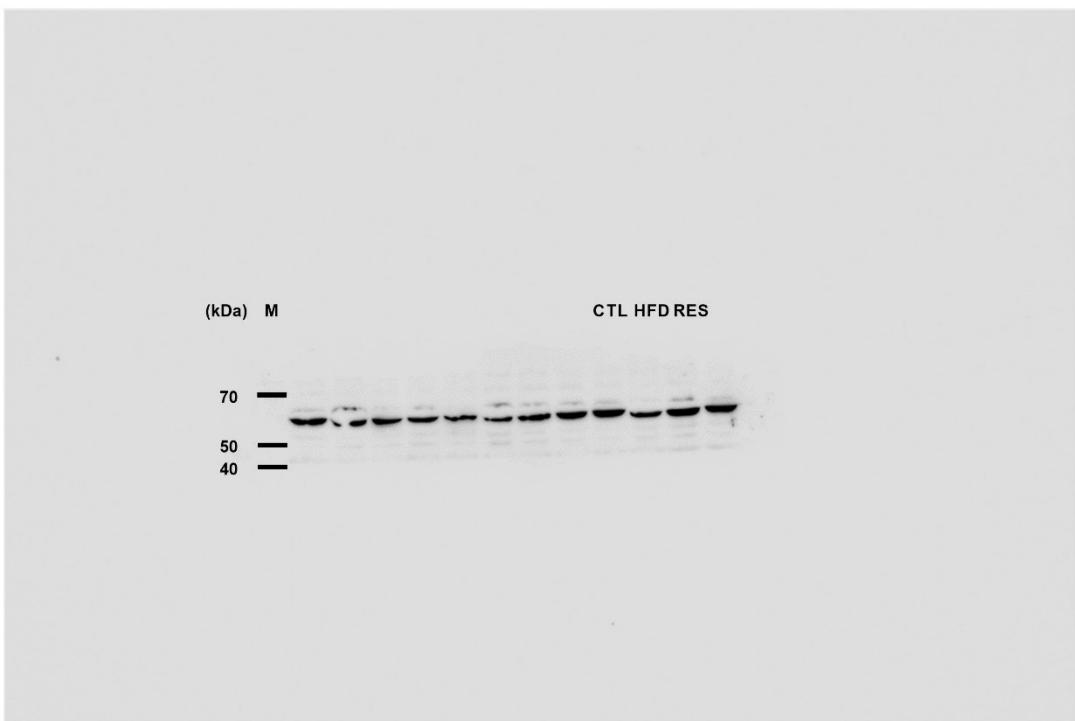
**Fig 4A.**



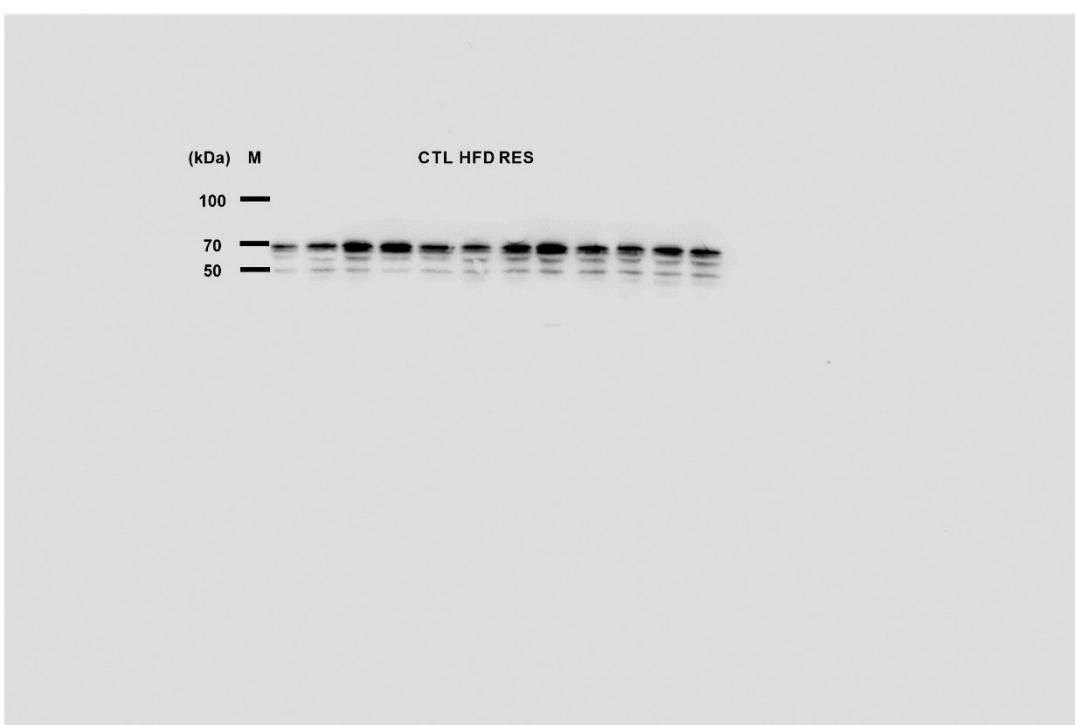
Supplementary fig 4A.  $\beta$ -actin



Supplementary fig 4A. AMPK



Supplementary fig 4A. p-AMPK



Supplementary fig 4A. Nrf1



Supplementary fig 4A. PGC-1 $\alpha$