

Supplementary Materials

Journal: Nanoscale Advances

Title: Targeted delivery of berberine via ROS-sensitive polymersomes enhances its hepatoprotective activity in CCl₄-intoxicated mice

Iva Suman, Damir Klepac, Martina Vragović, Hrvoje Križan, Eliézer Jäger, Alessandro Jäger, Ewa Pavlova, Martin Hrubý, Robert Domitrović*

*Prof. Robert Domitrović, Ph. D., Department of Medical Chemistry, Biochemistry and Clinical Chemistry, Faculty of Medicine, University of Rijeka, B. Branchetta 20, 51000 Rijeka, Croatia. E-mail: robert.domitrovic@medri.uniri.hr.

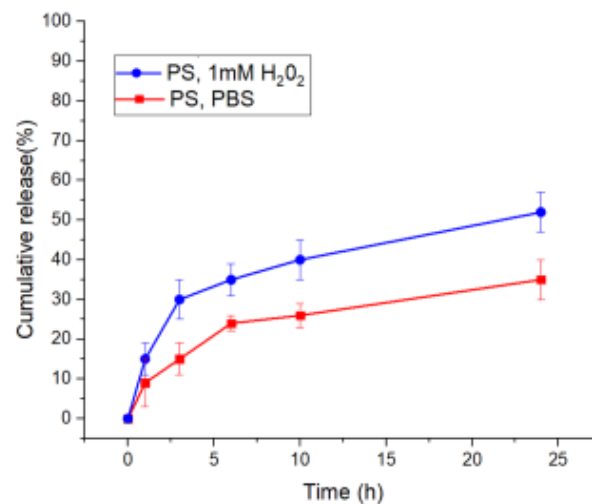
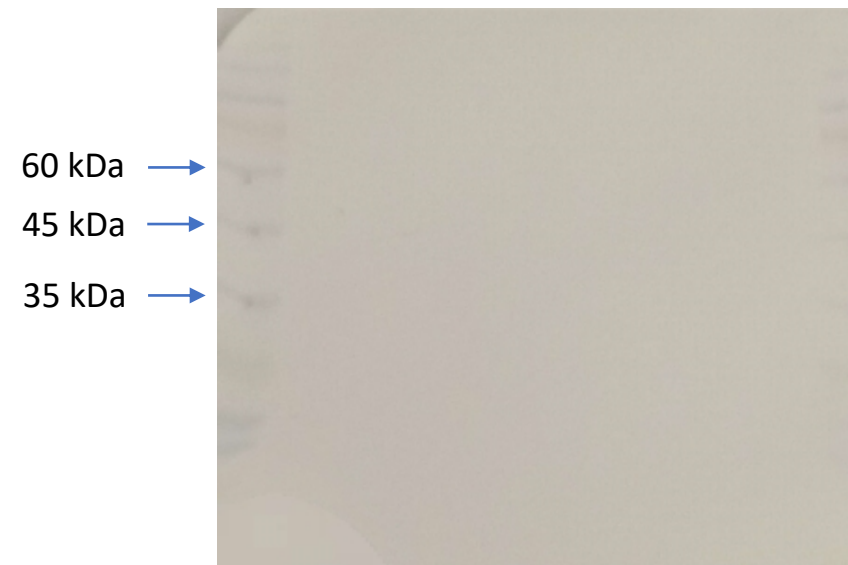
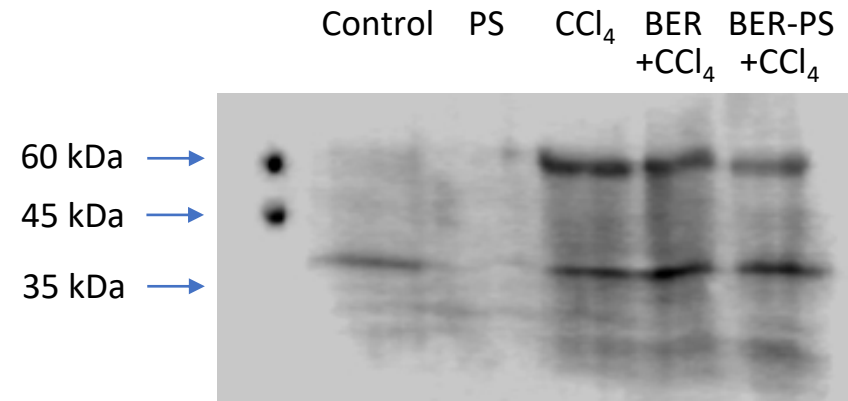


Fig. S1 Release of berberine from BER-loaded non-responsive PS in PBS and PBS containing 1 mM H₂O₂.

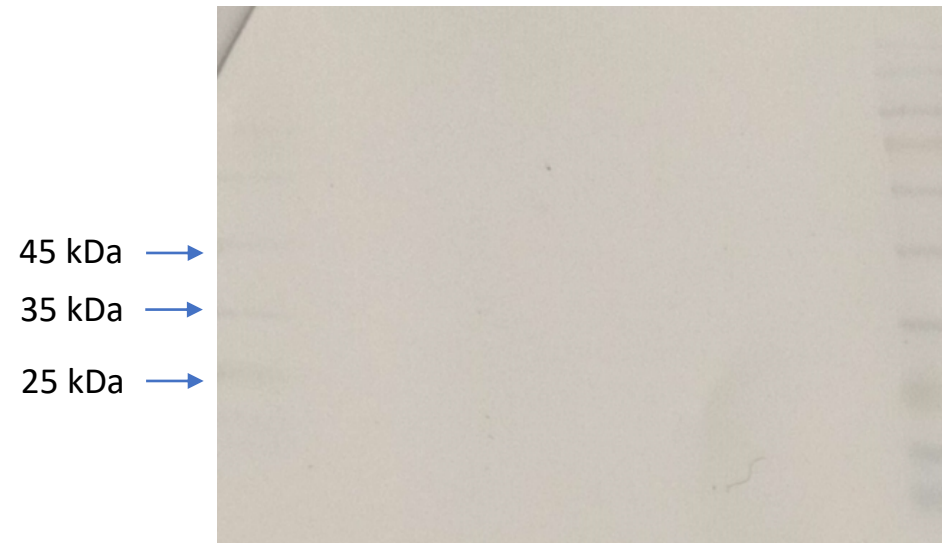
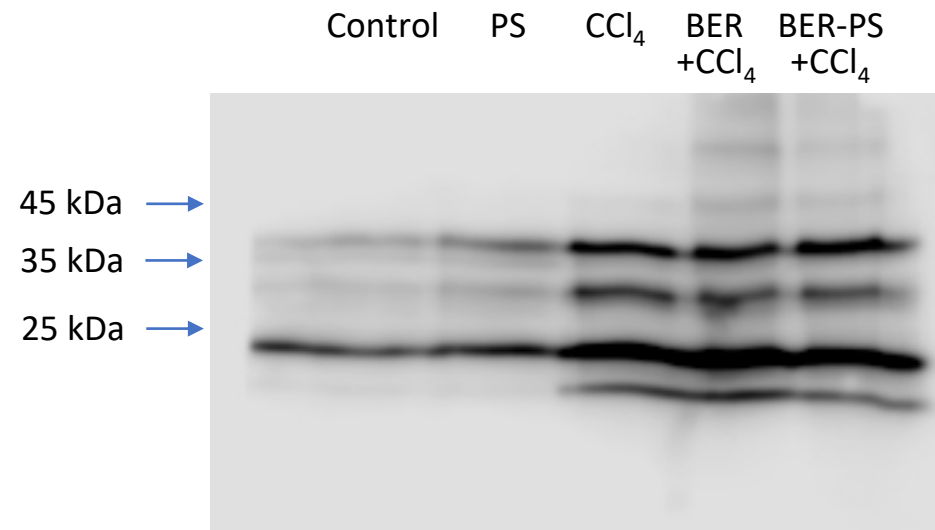
To compare the release of berberine, we prepared non-responsive polymersomes based on a non-responsive poly[N-(4-isopropylphenylacetamide)ethyl methacrylate] (PPPhA) block (DOI: 10.1021/acs.biomac.4c00282). The release rate of berberine in the presence of ROS-rich environment was approximately 50% higher compared to ROS-responsive PS.

The full uncropped blots images.

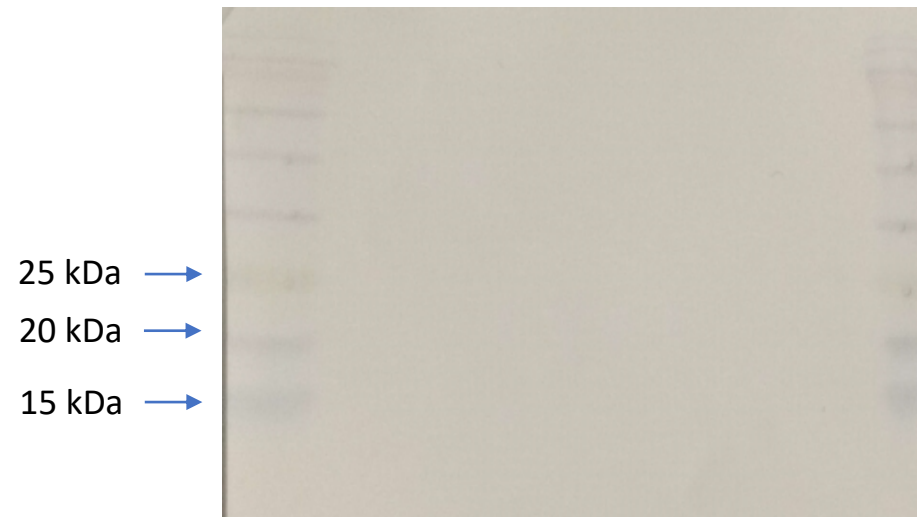
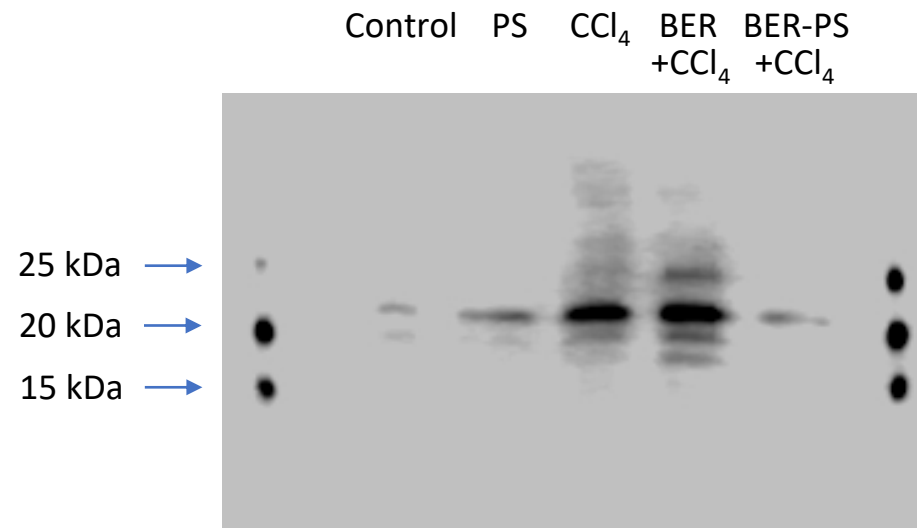
4-HNE



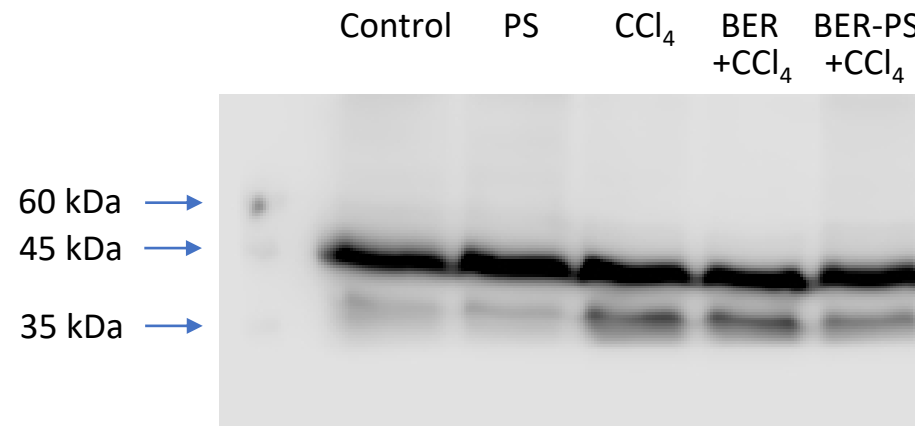
HO-1



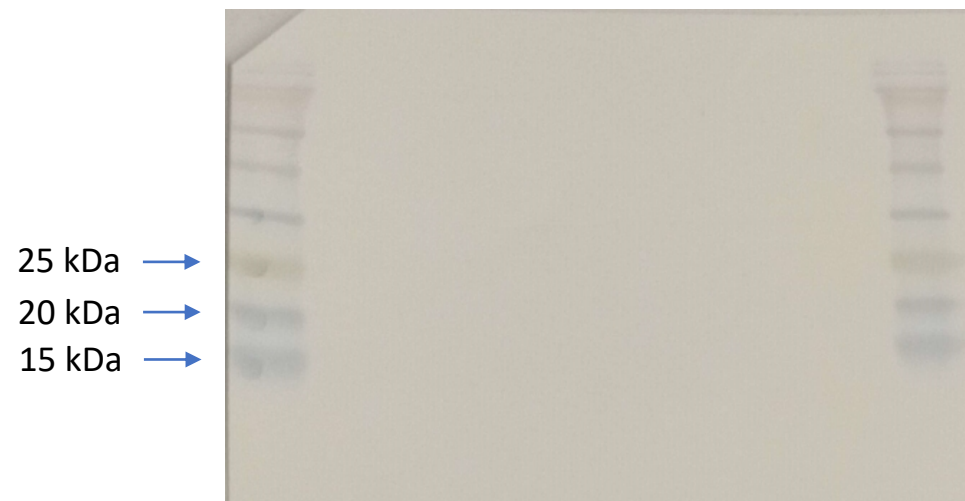
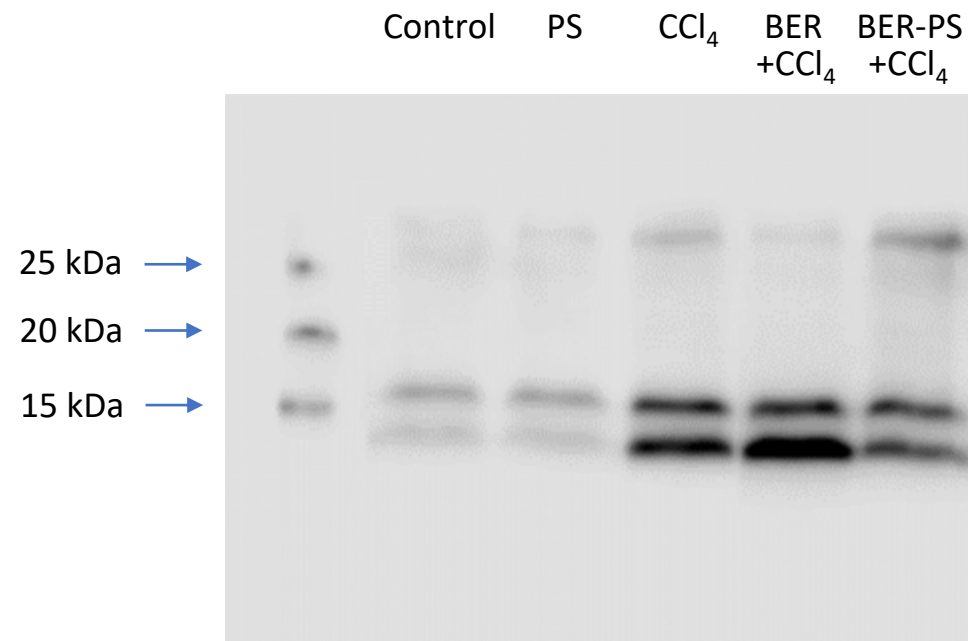
Casp 3



Casp 9, Cl. Casp 9.



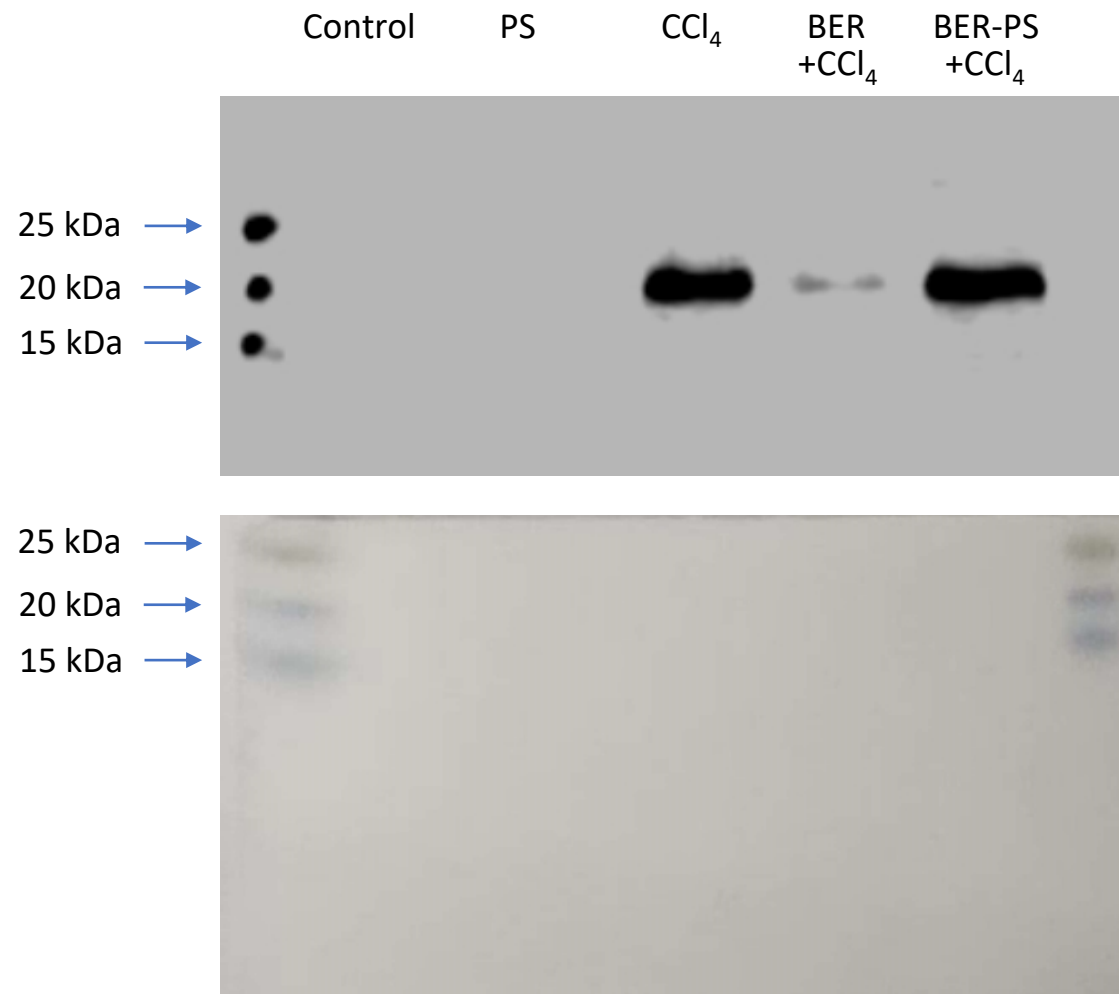
LC3



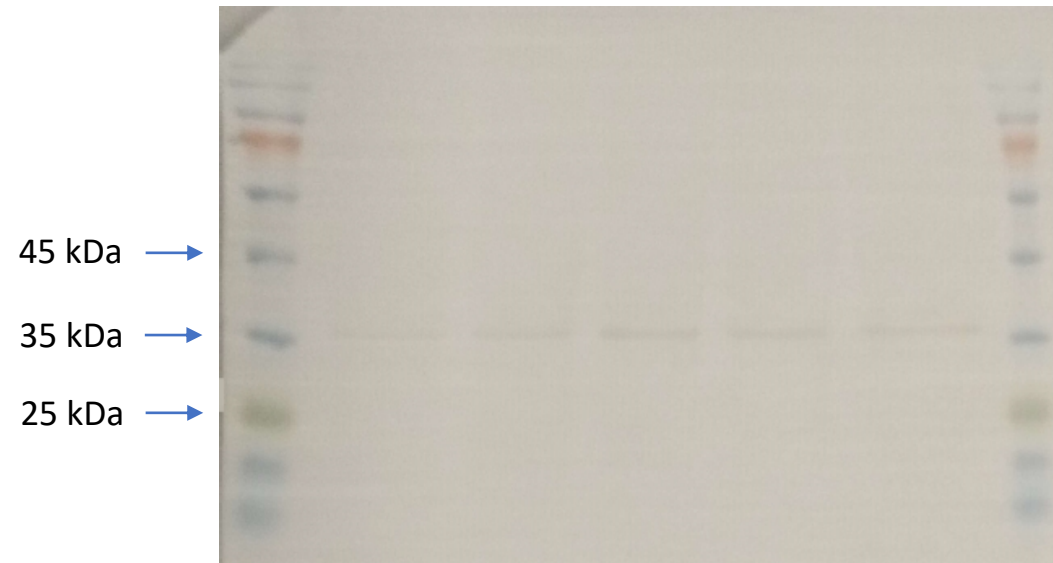
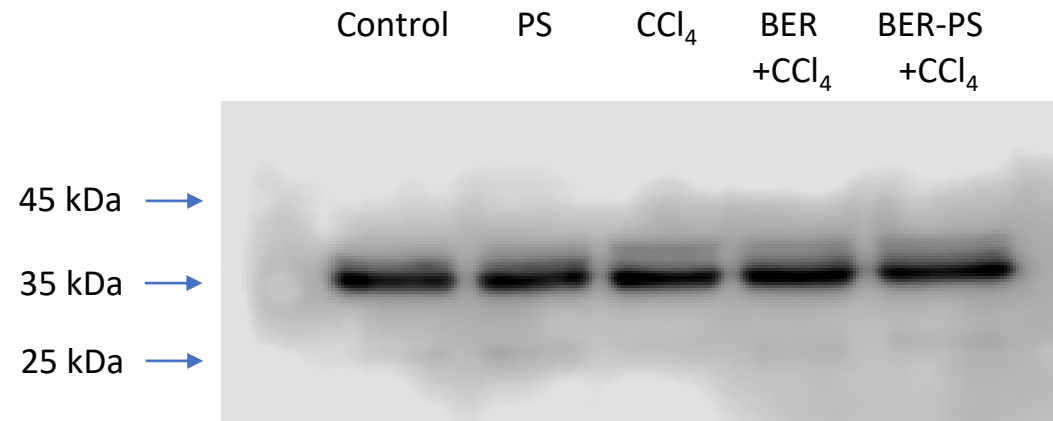
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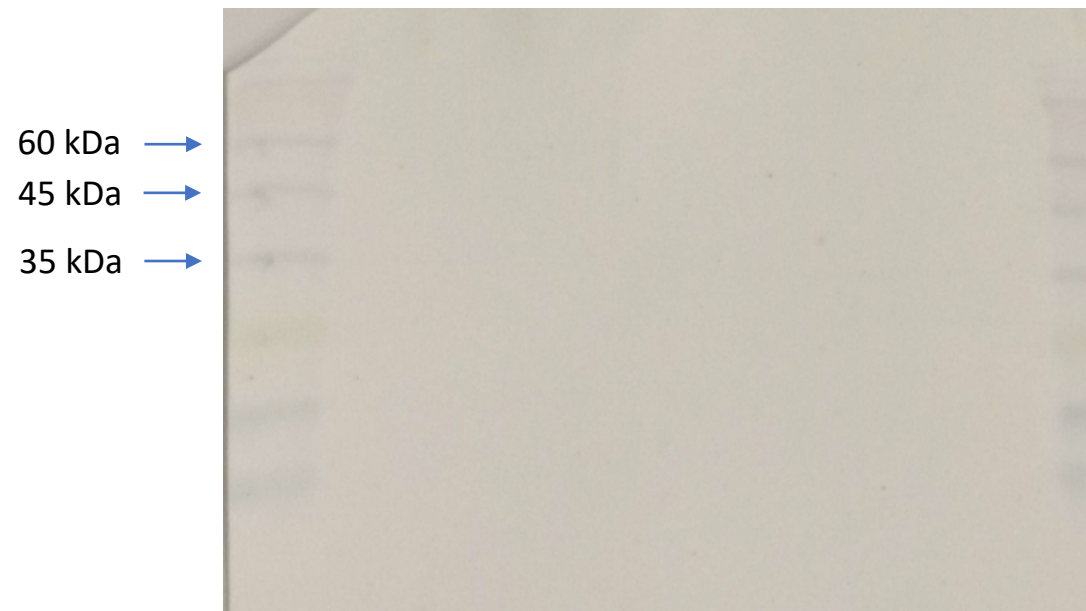
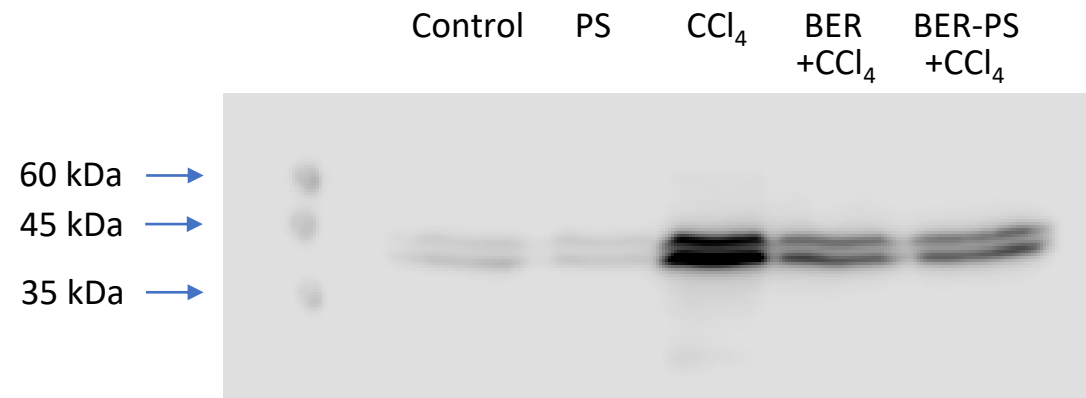
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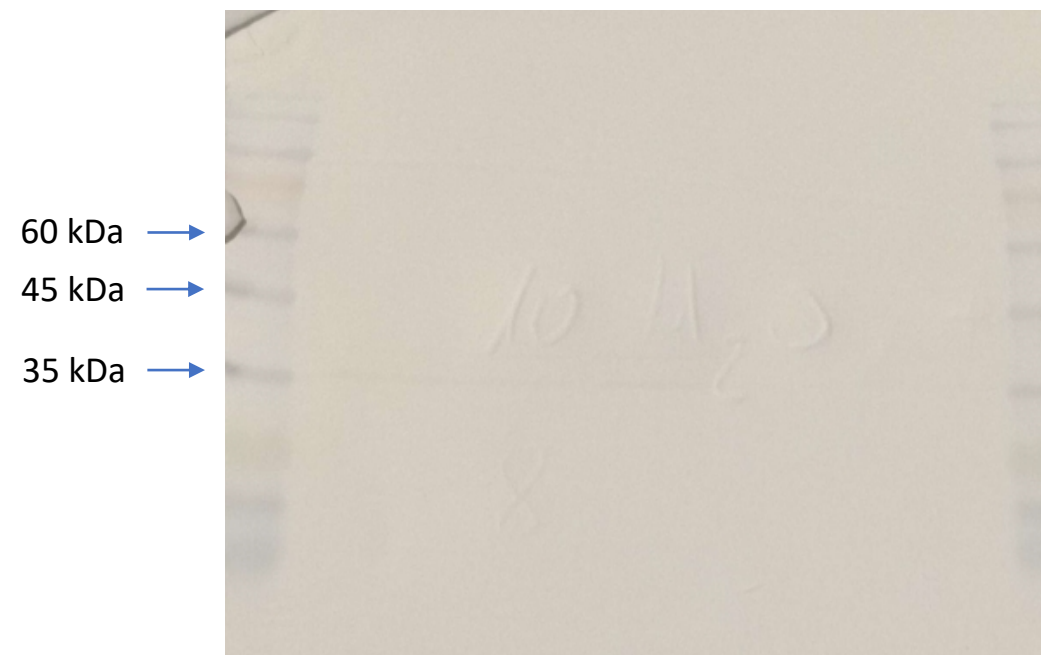
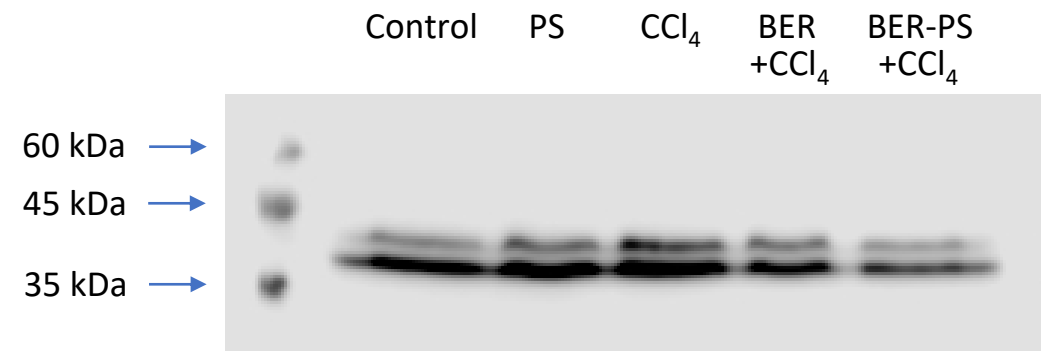
GAPDH



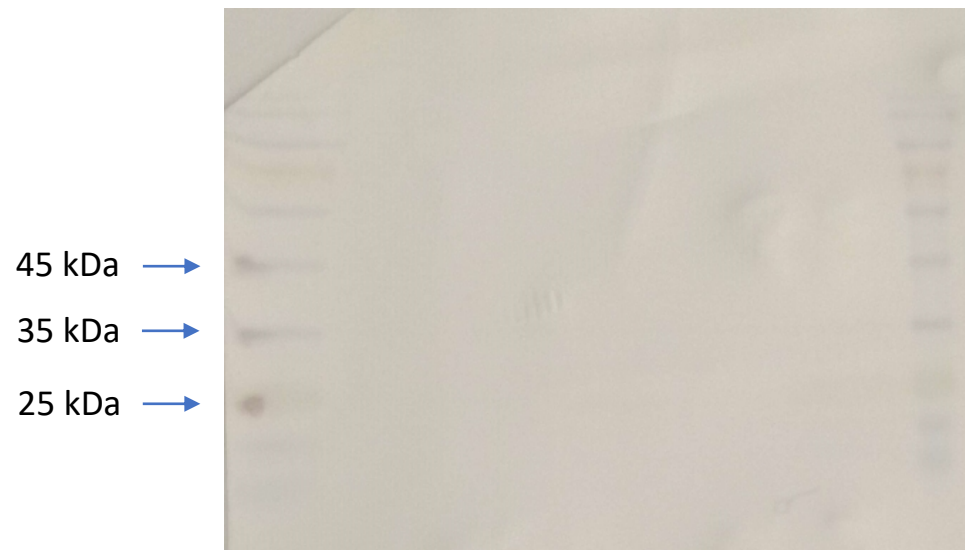
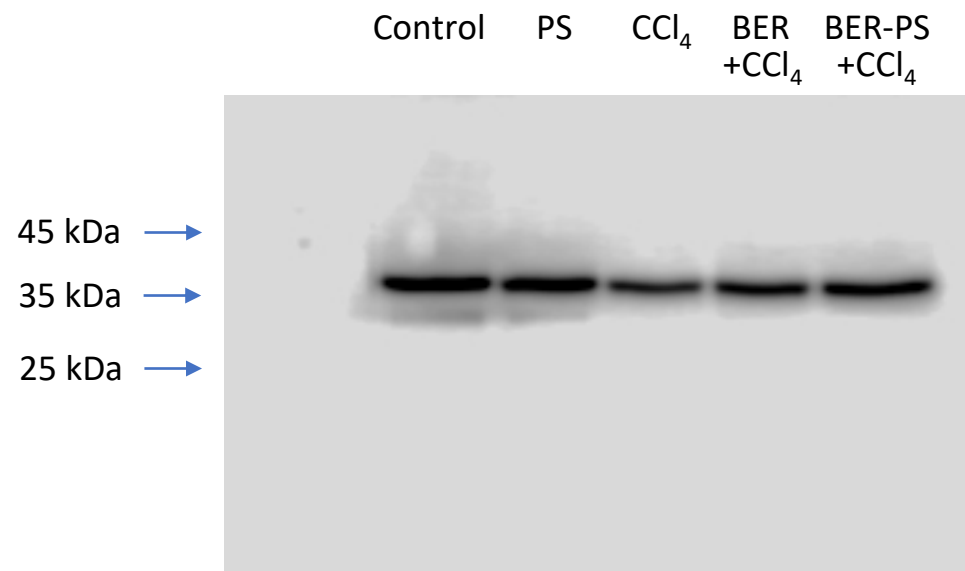
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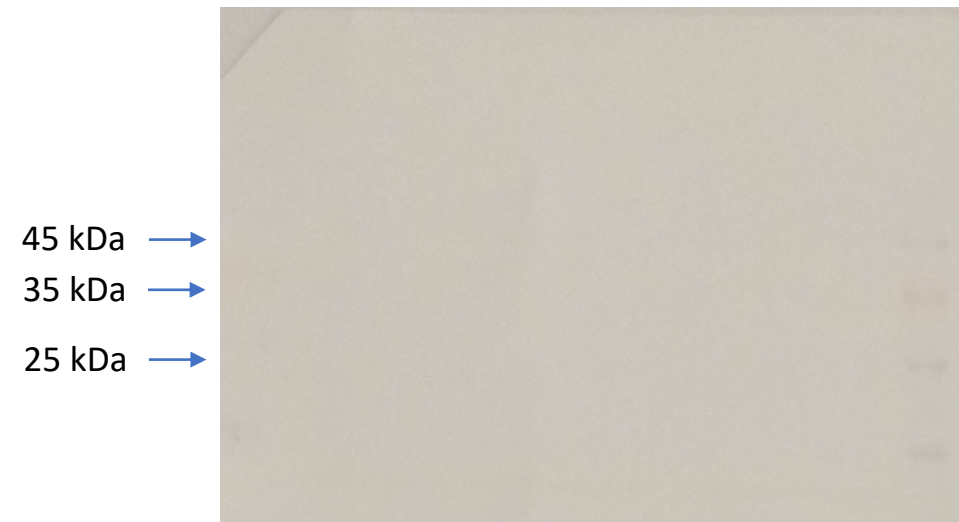
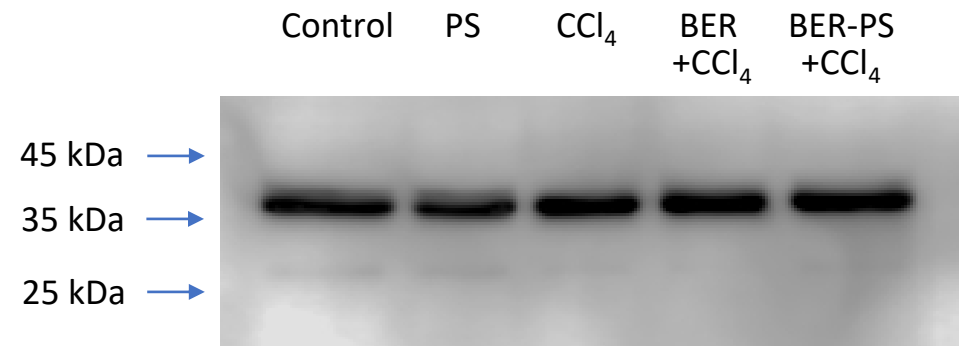
ERK



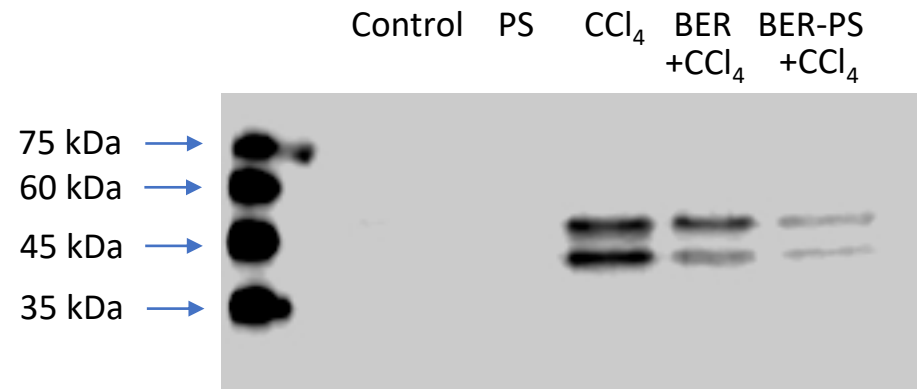
p-p38



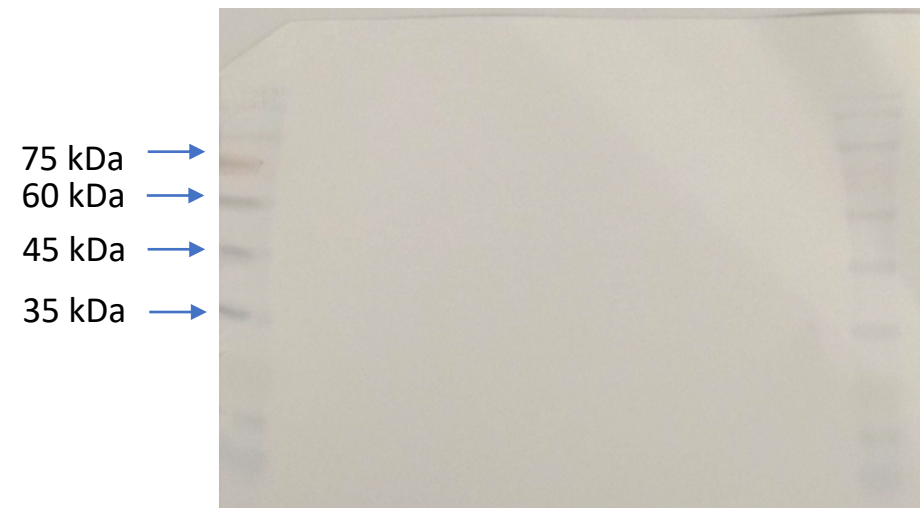
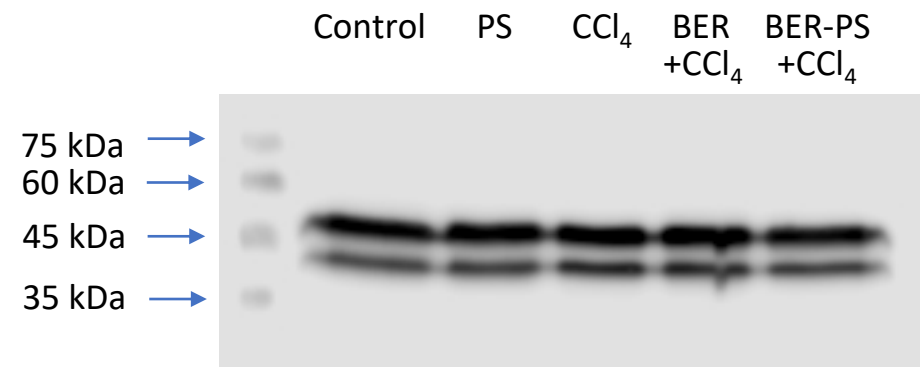
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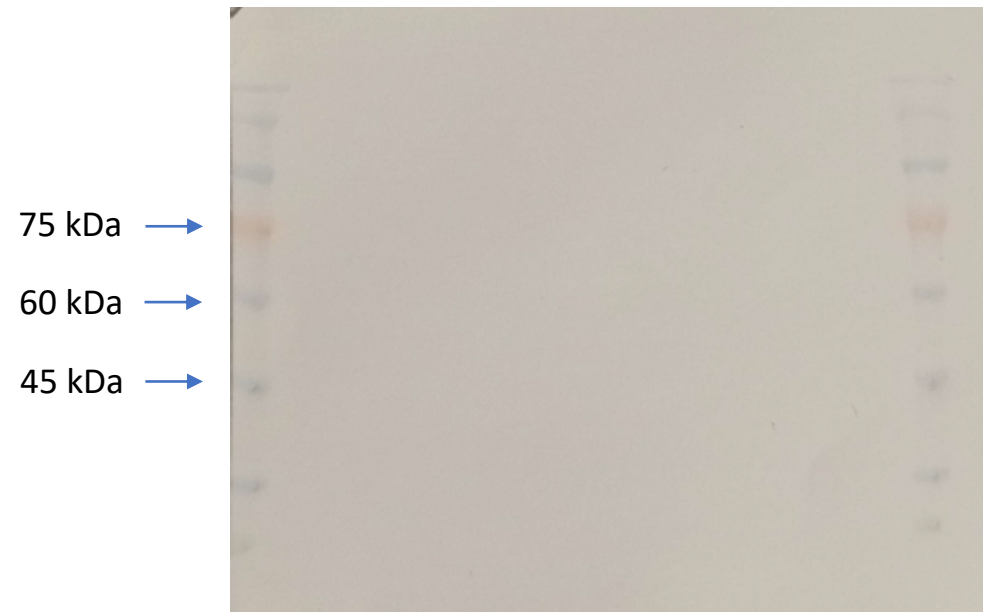
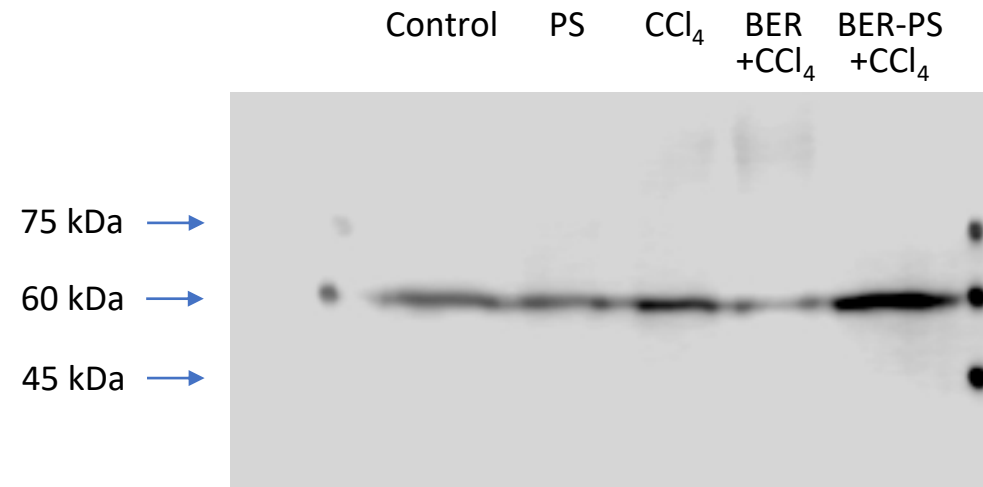
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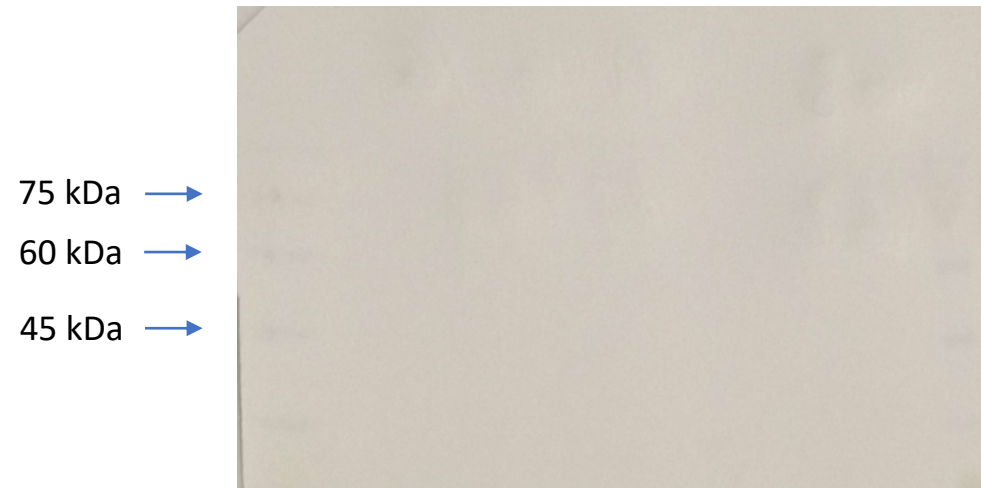
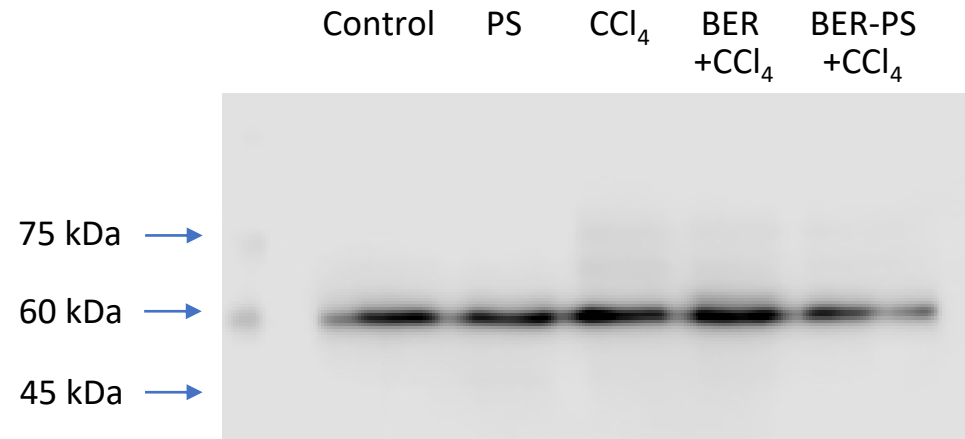
JNK



P-Akt



Akt



JNK + GAPDH

