

Dear editor

Thank you very much for your interest in our research work. Regarding our original blots, we have rechecked the data and displayed the results of multiple exposure images. We have also outlined the membrane edges with black box lines. Although we made efforts to supplement the imprinting results, there are still some imprints where the marker is not clearly visible due to the exposure process, despite not using a multiple exposure protocol.. However, we want to emphasize that we have not edited or spliced any protein images, and all the images are authentic.

To eliminate any ambiguity, we have taken measures to better present our protein data. We have provided detailed experimental methods and procedures, explaining the antibody incubation conditions and protein staining process (in the experimental methods section of the manuscript).

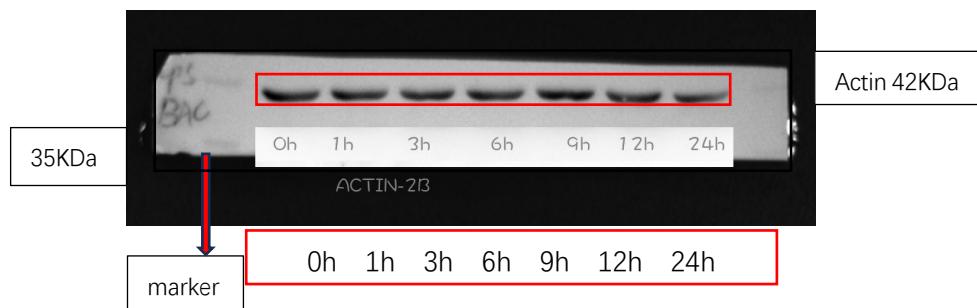
Furthermore, the molecular weight of the antibodies described in the manual differs from the actual molecular weight of the markers corresponding to our experimental results. This discrepancy may be related to cell type or measurement errors of the markers.

We understand the rigor and integrity principles of scientific research, and in our study, we have always adhered to the principles of honesty, transparency, and reproducibility.

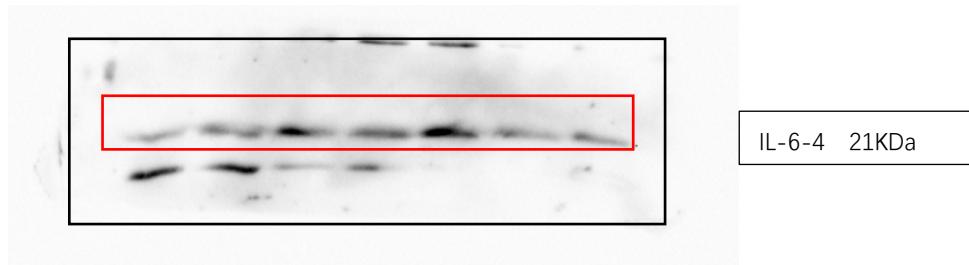
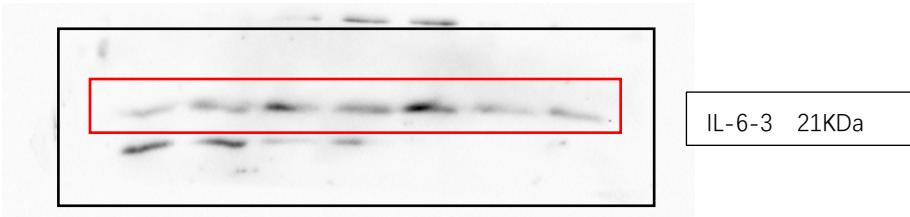
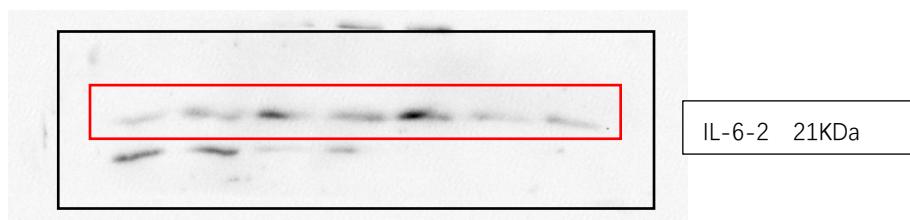
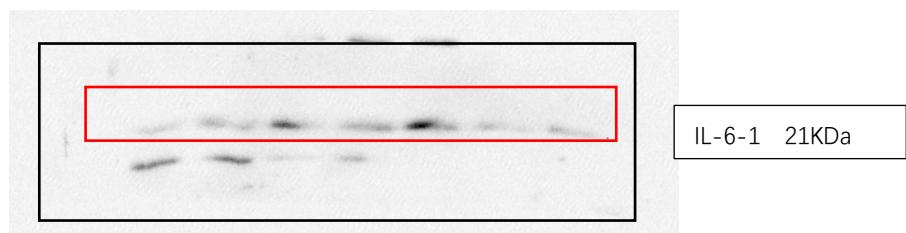
Thank you again for your interest and support in our research work. We look forward to sharing the results of this important study with you.

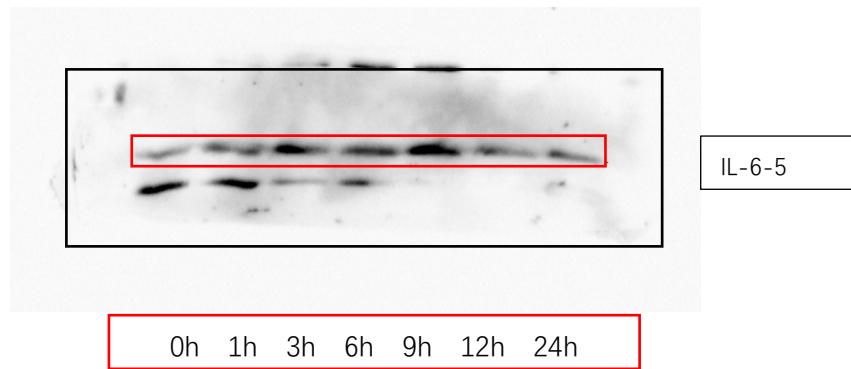
Sincerely,
Huimin Hou

Fig 2B

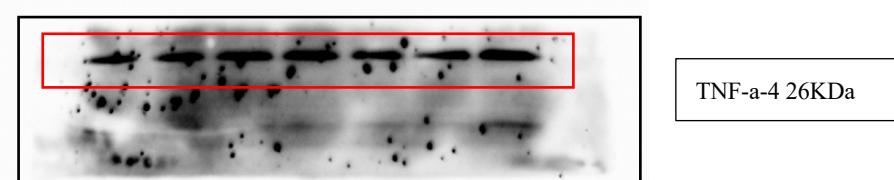
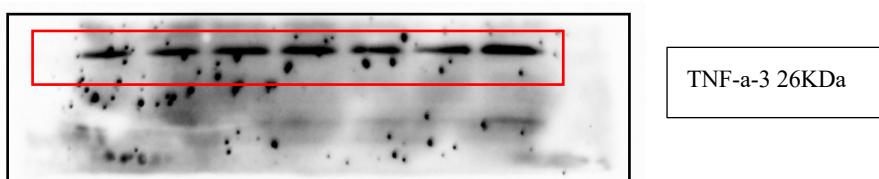
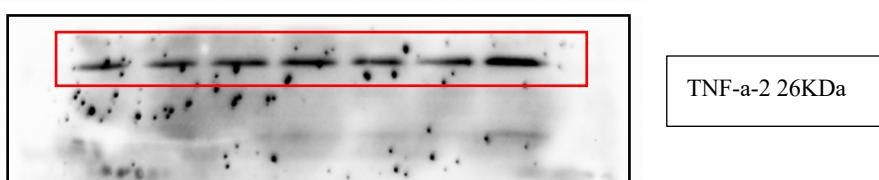
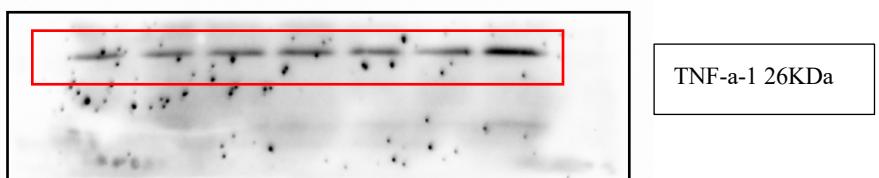


multiple exposure images of IL-6

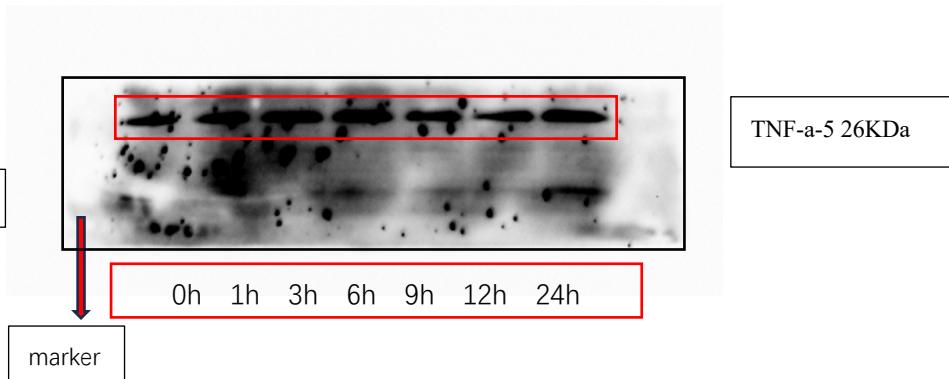




multiple exposure images of TNF-a



15KDa



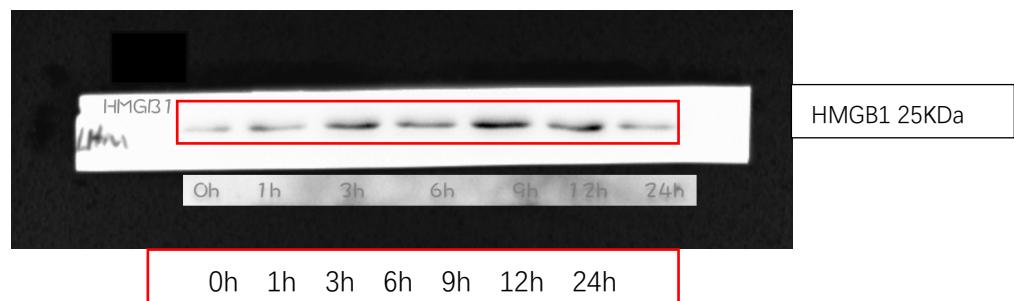
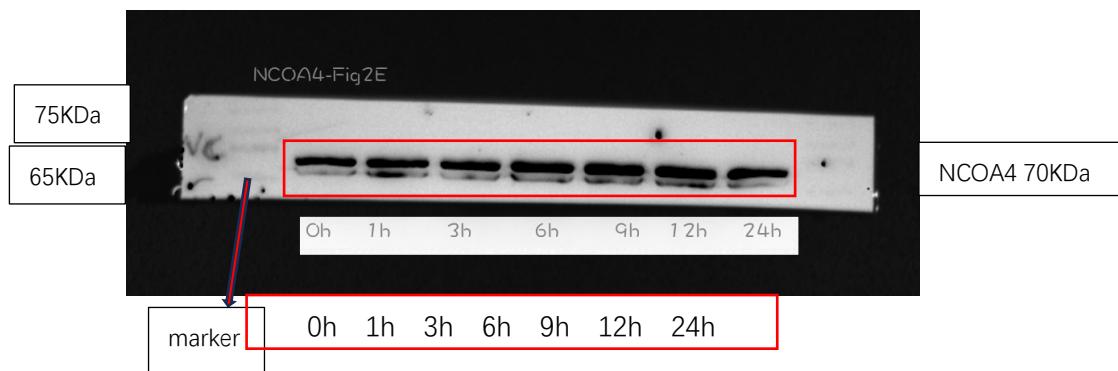
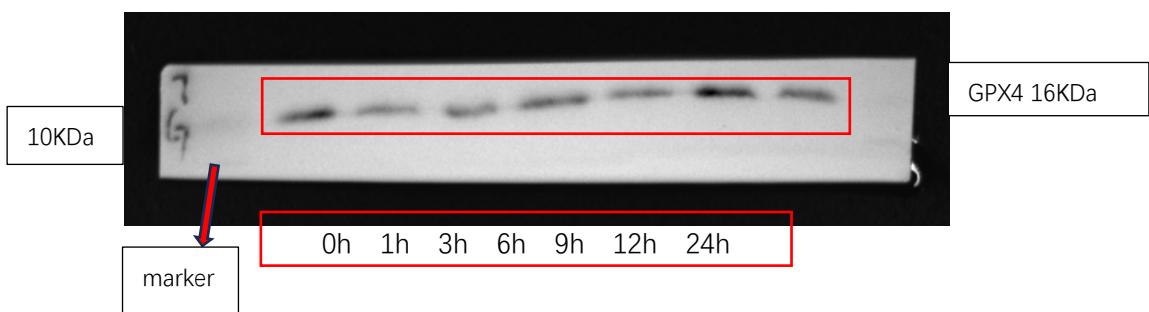
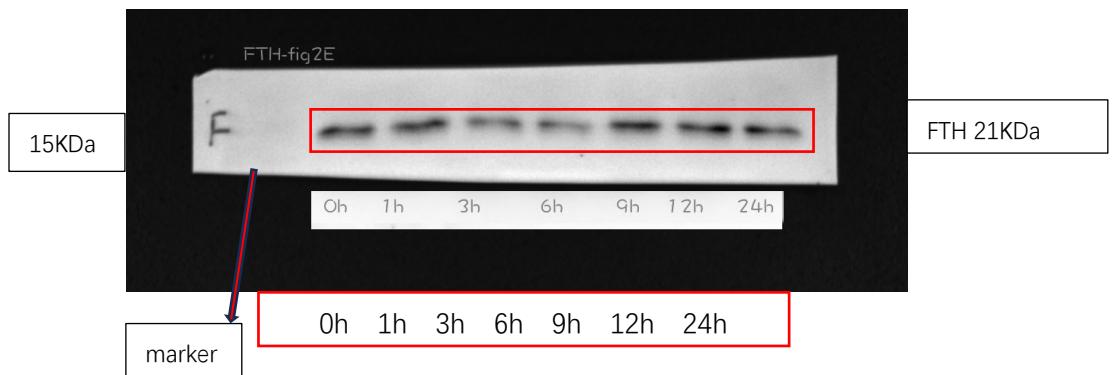
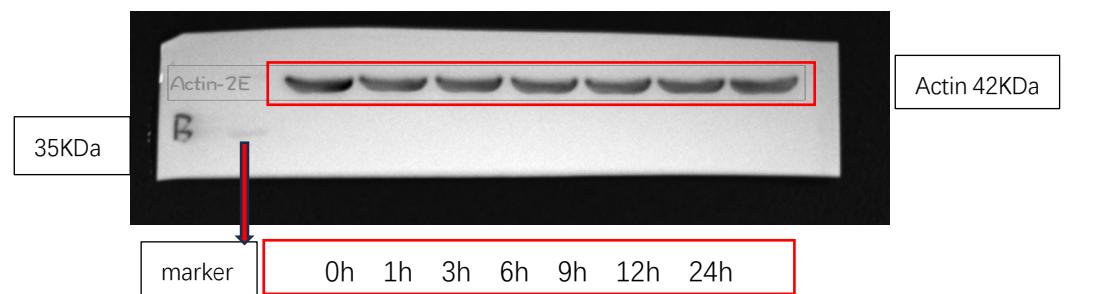


Fig 2E



multiple exposure images of PTGS2

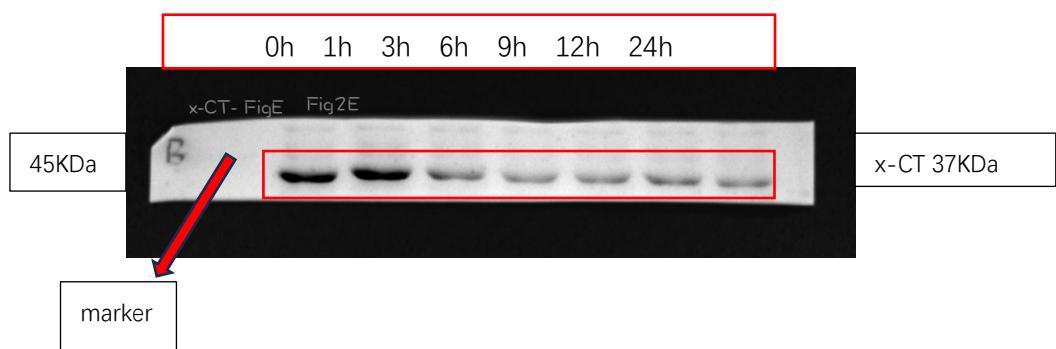
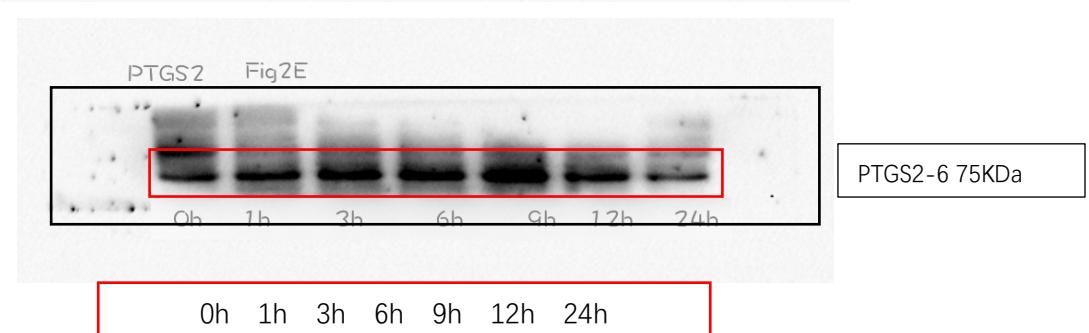
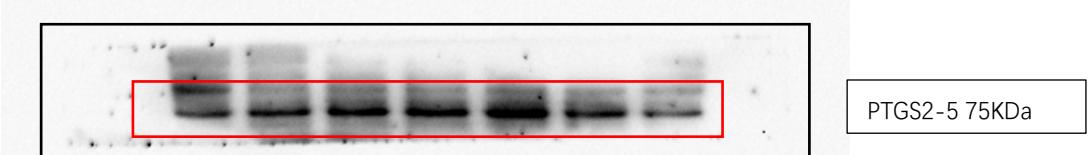
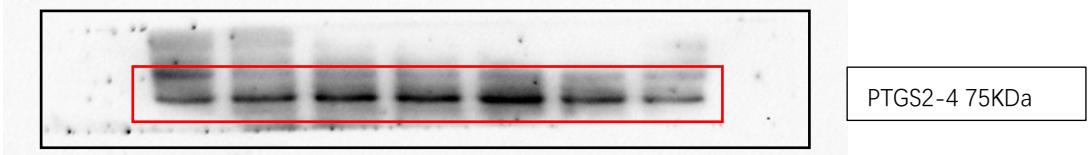
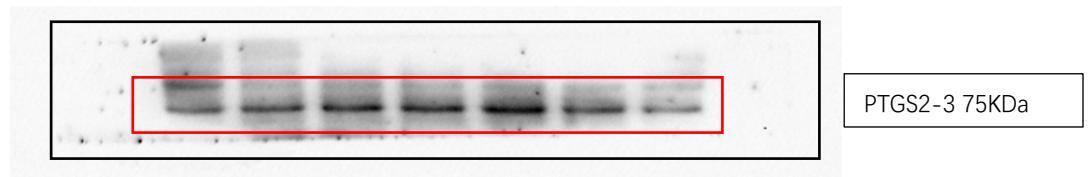
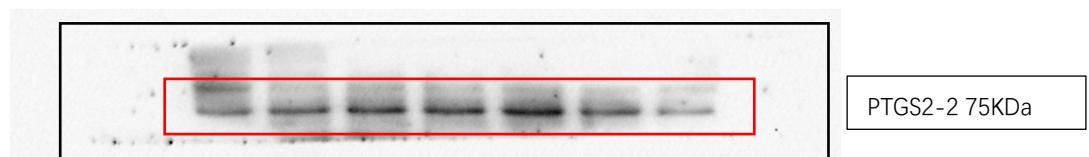
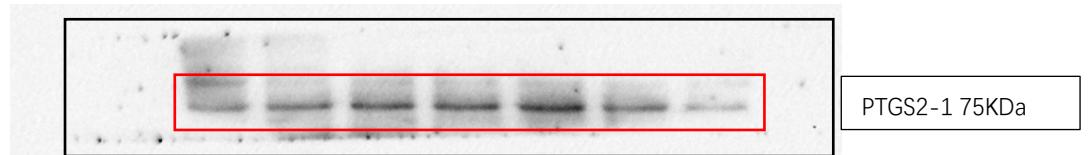
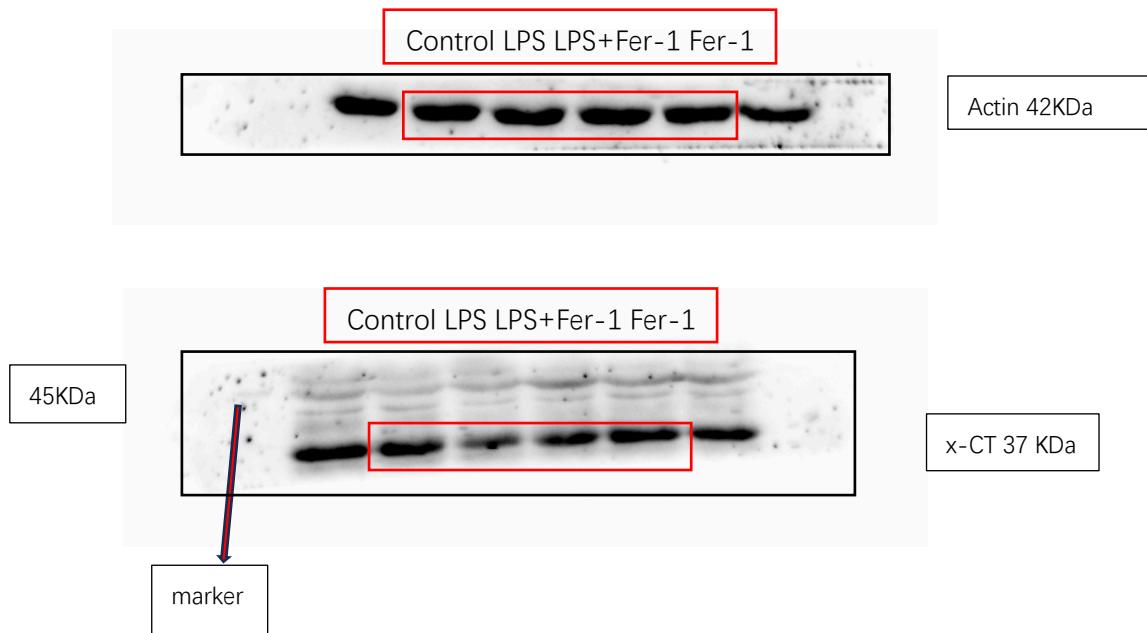
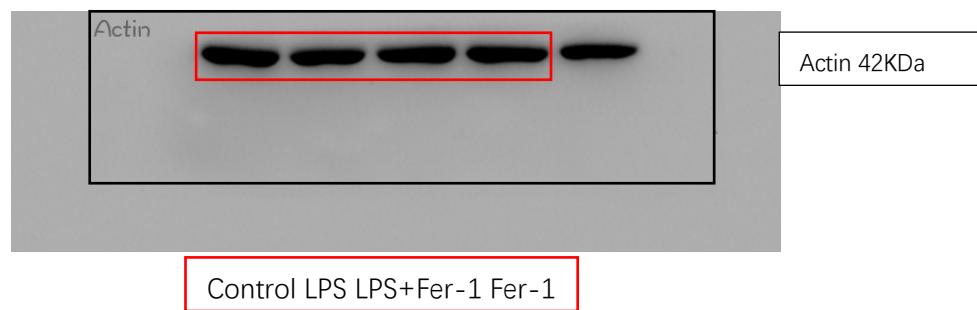


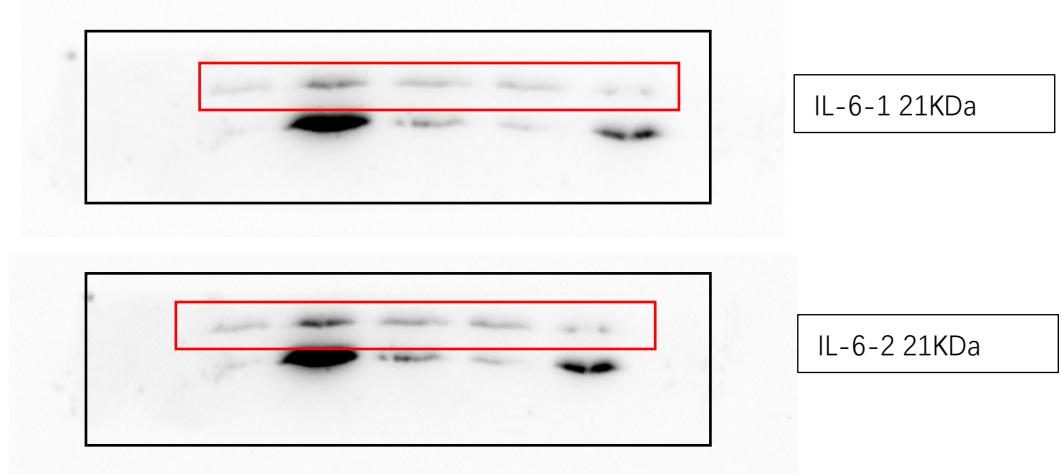
Fig 3E

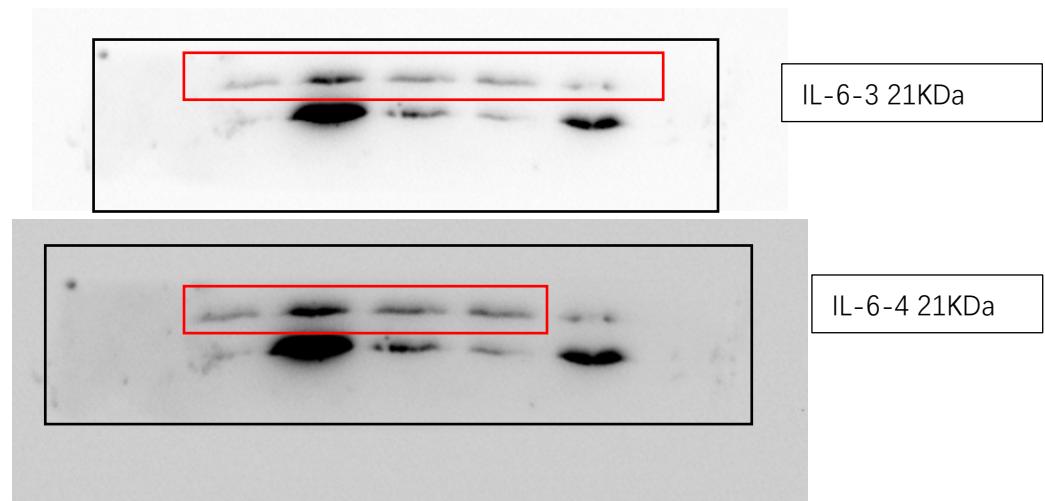


multiple exposure images of Actin

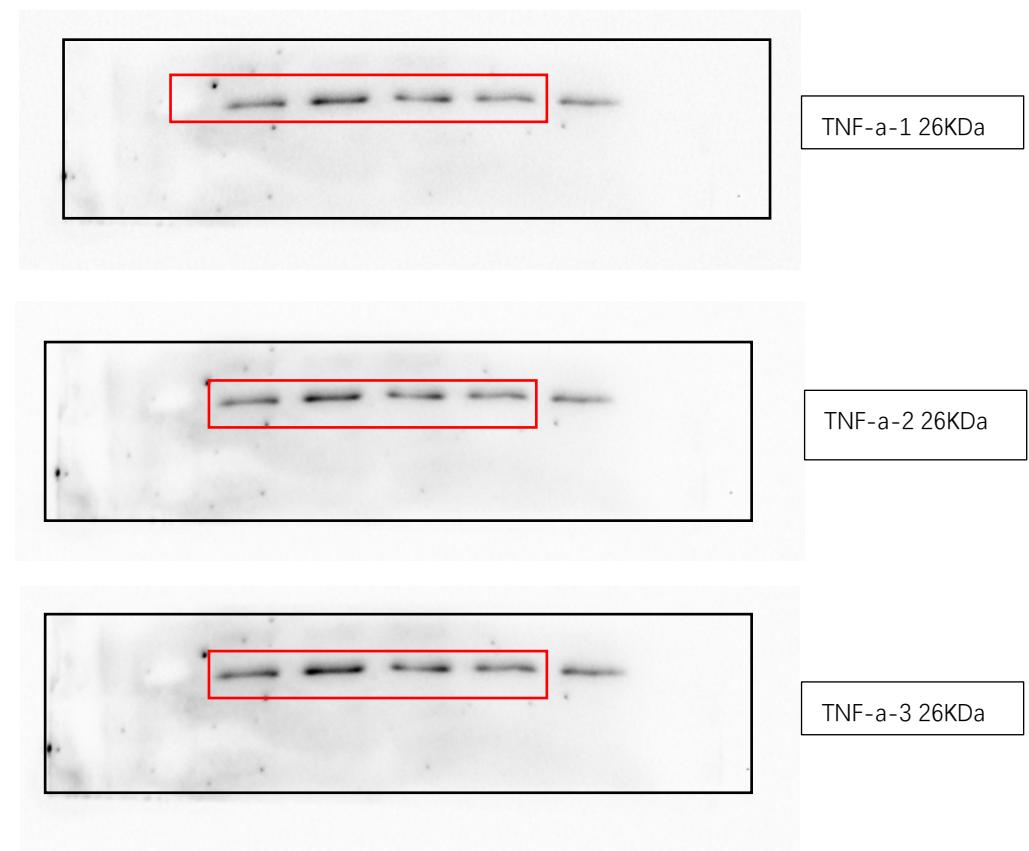


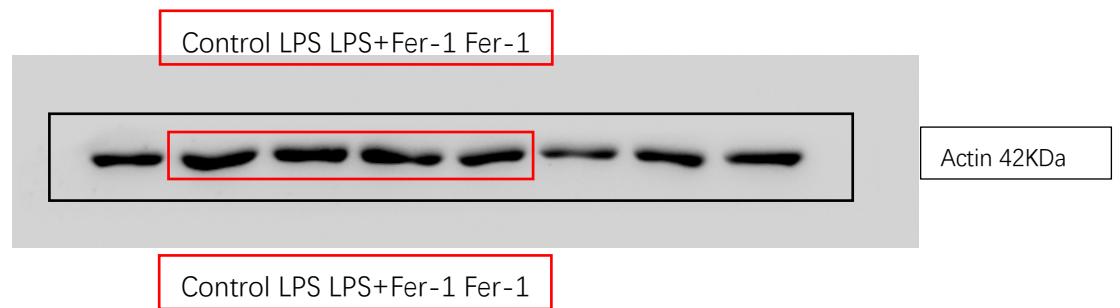
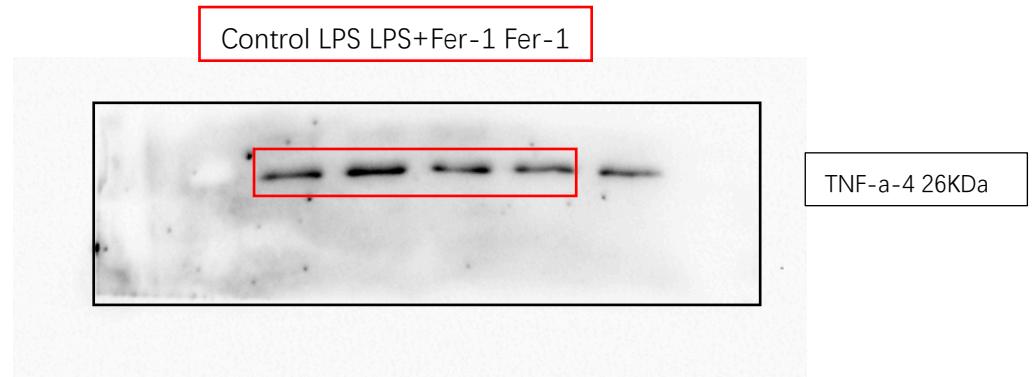
multiple exposure images of IL-6





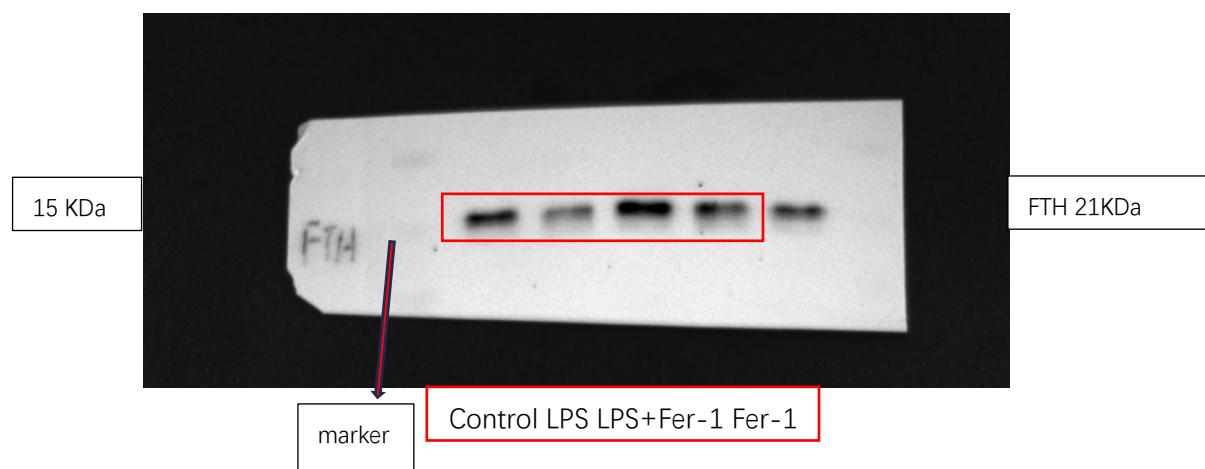
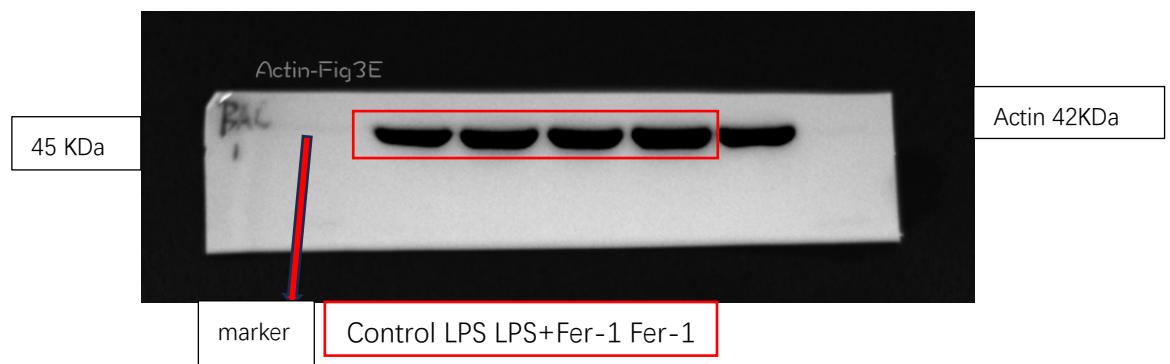
multiple exposure images of TNF-a



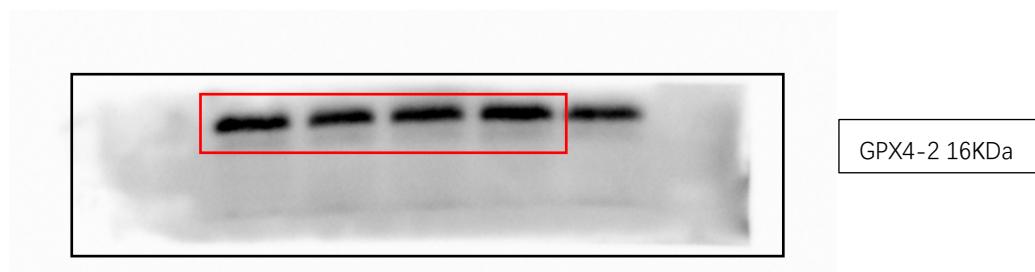
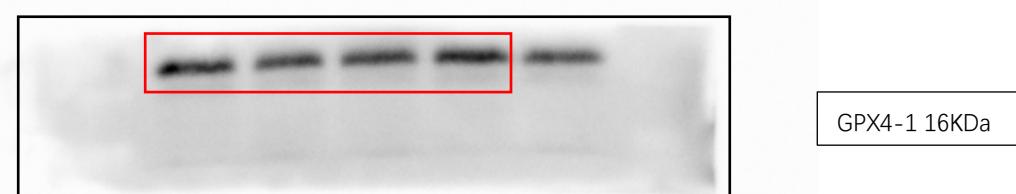


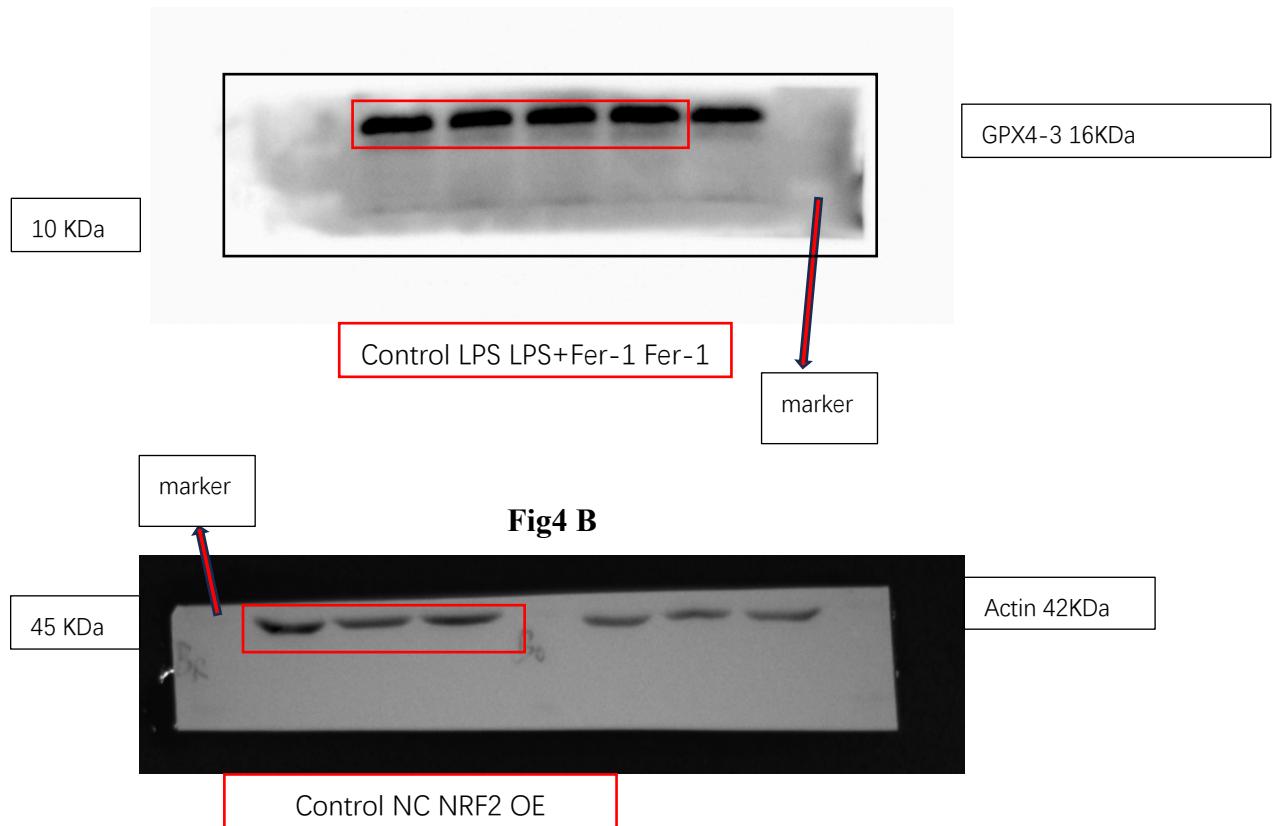
multiple exposure images of HMGB1





multiple exposure images of GPX4





multiple exposure images of NRF2

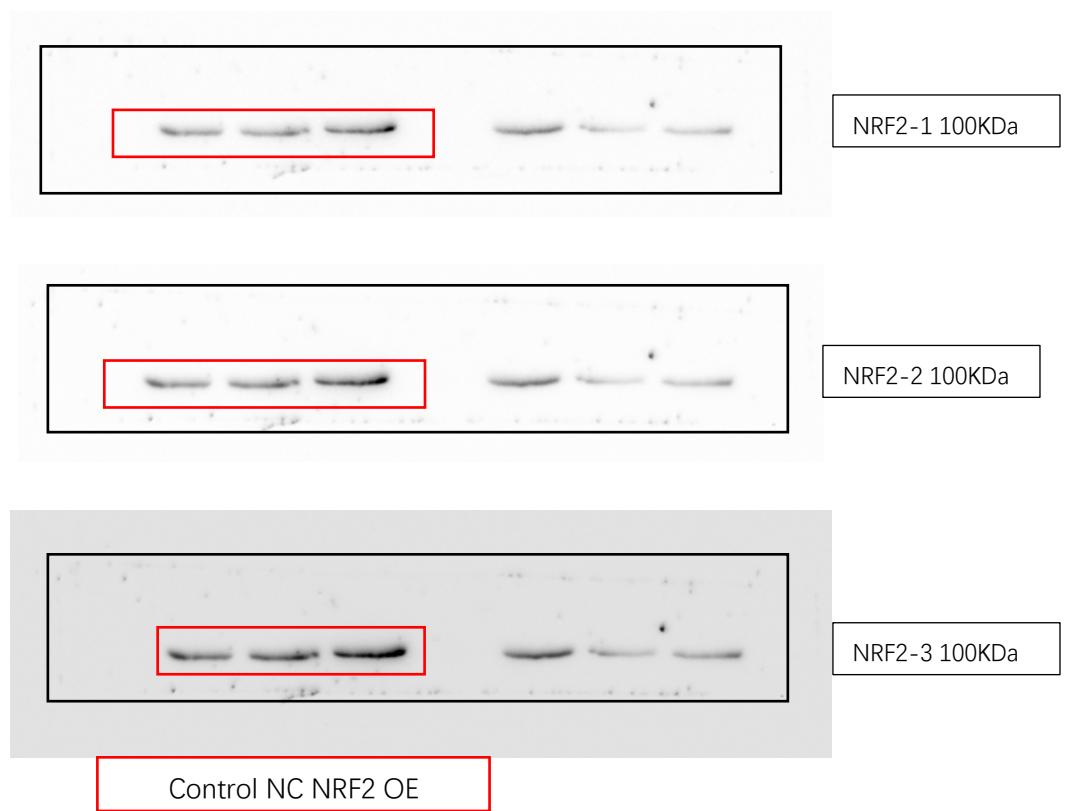
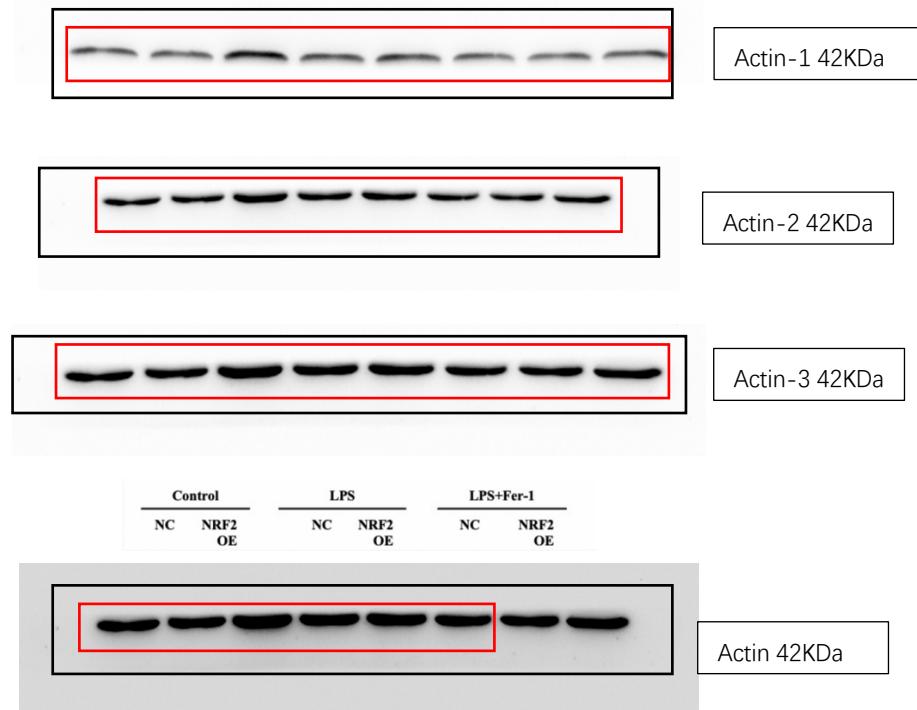
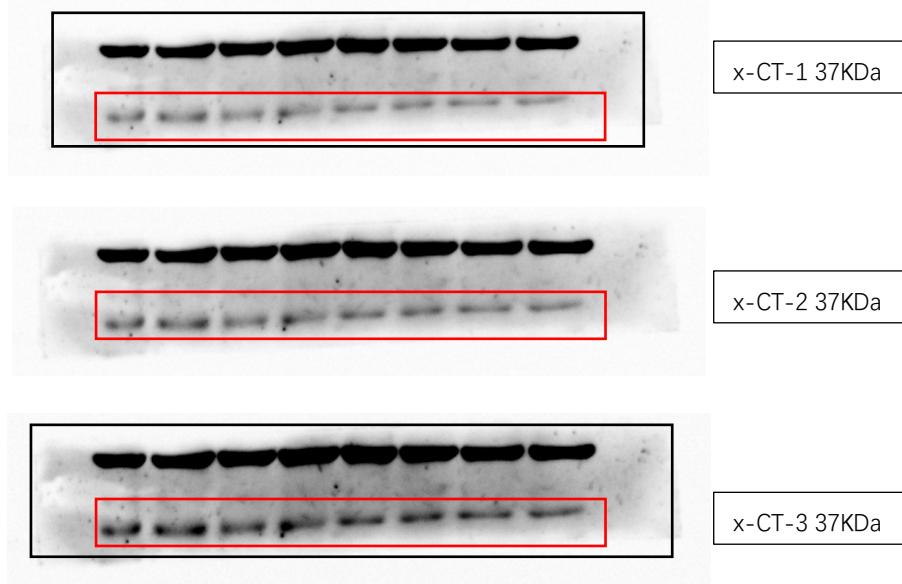


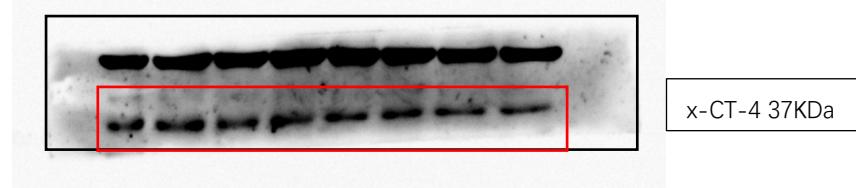
Fig 4F
multiple exposure images of Actin



multiple exposure images of x-CT



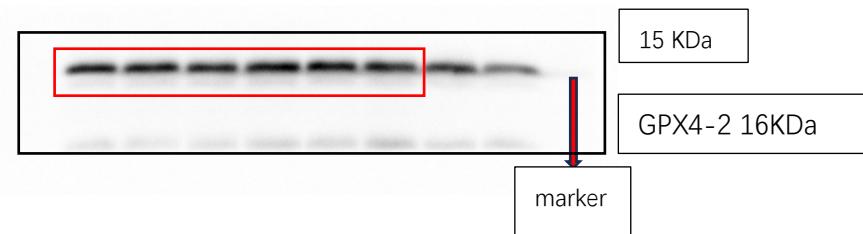
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NC	NRF2 OE	NC	NRF2 OE	NC	NRF2 OE



multiple exposure images of GPX4



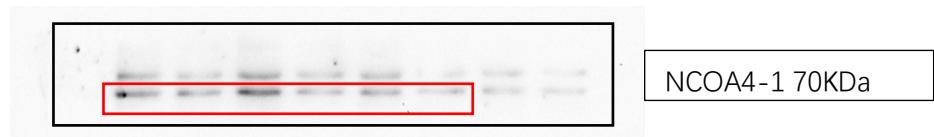
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NC	NRF2 OE	NC	NRF2 OE	NC	NRF2 OE

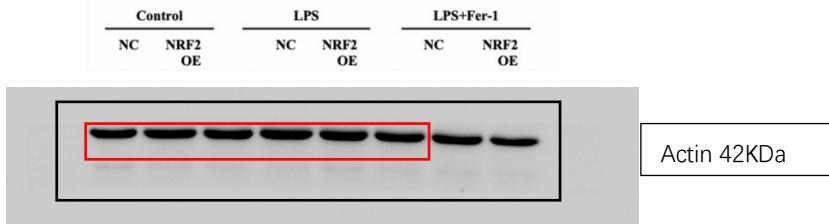
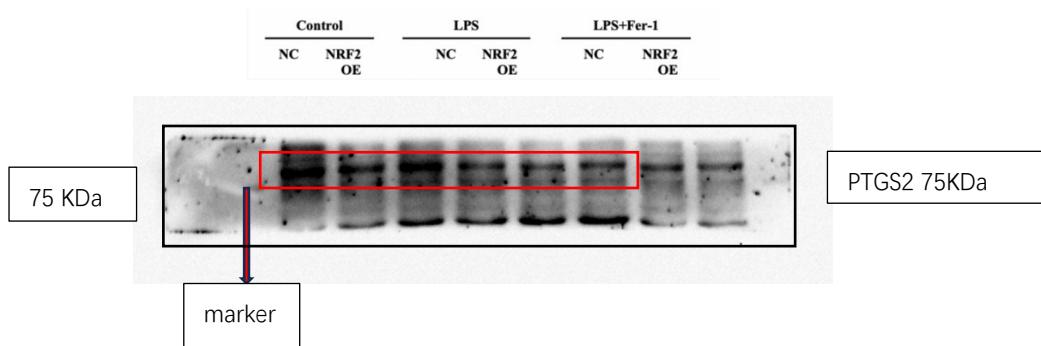
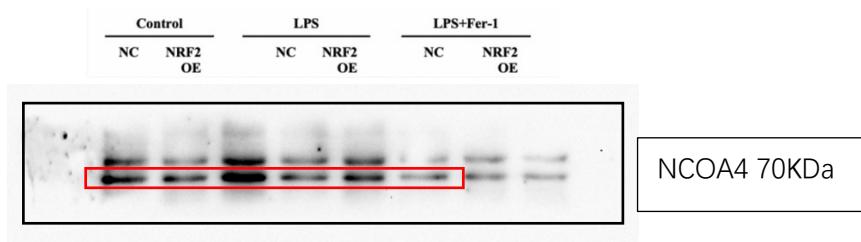
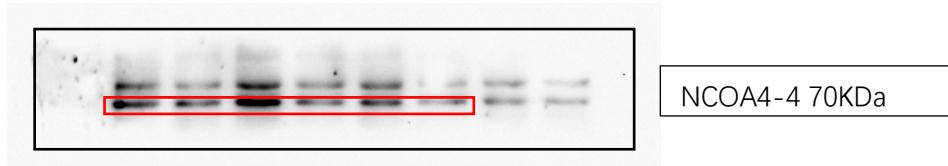
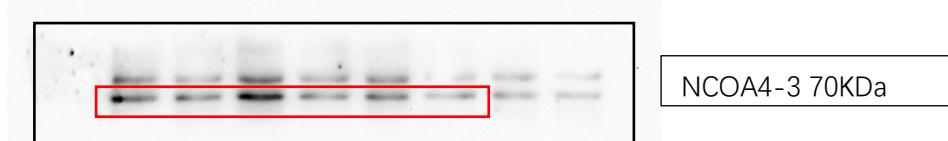
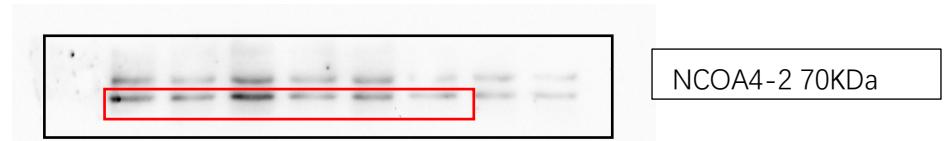


Control		LPS		LPS+Fer-1	
NC	NRF2 OE	NC	NRF2 OE	NC	NRF2 OE



multiple exposure images of NCOA4





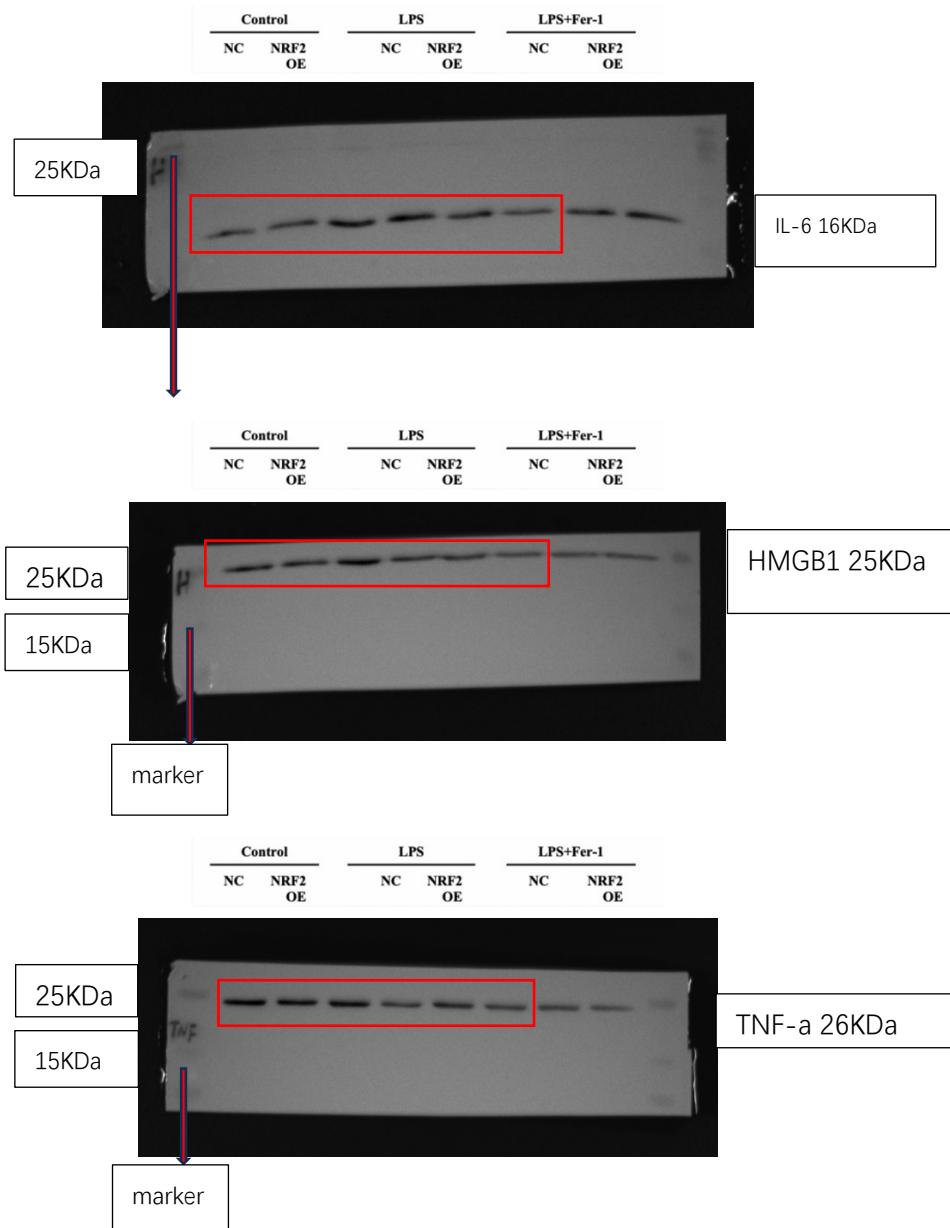
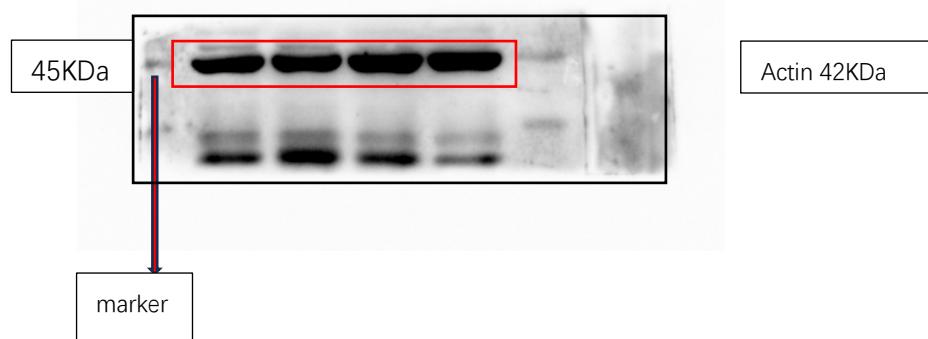


Fig 5A

0h 6h 12h 24h



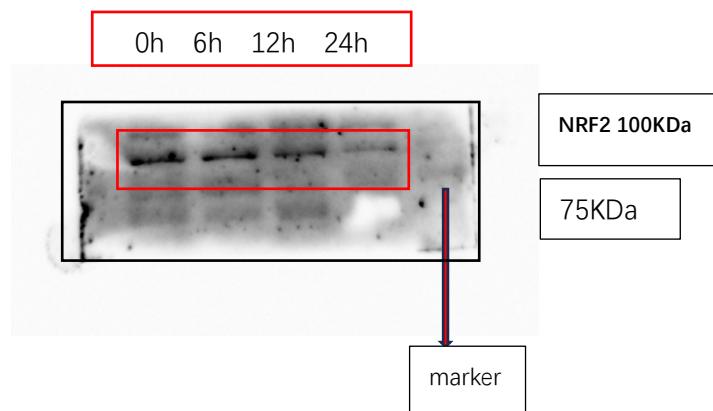
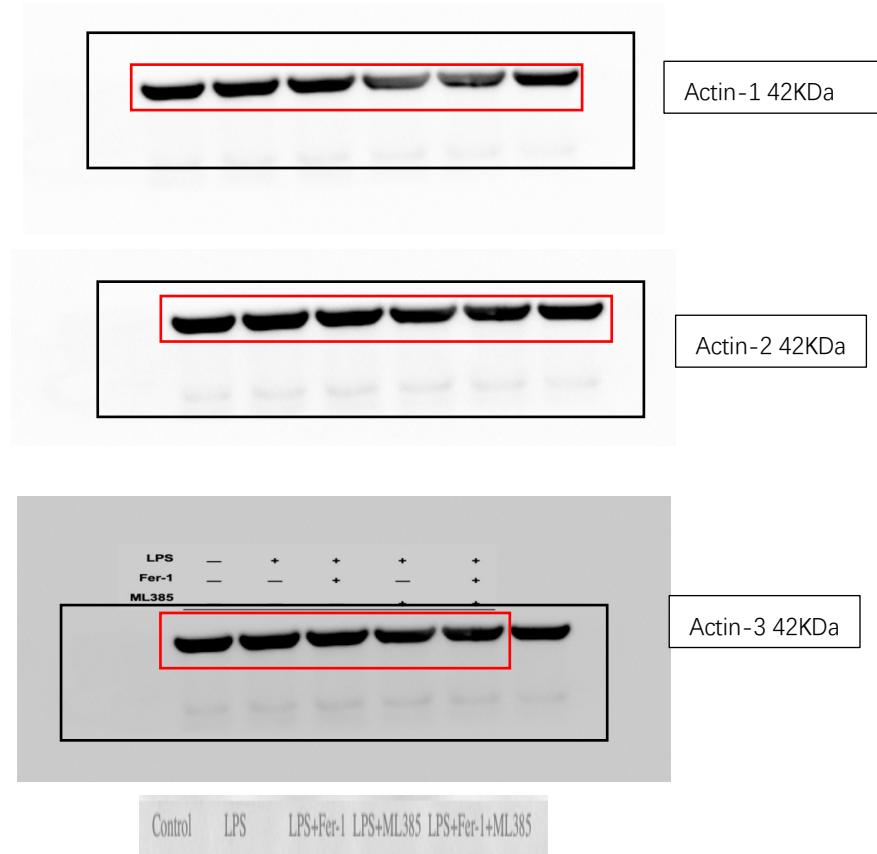
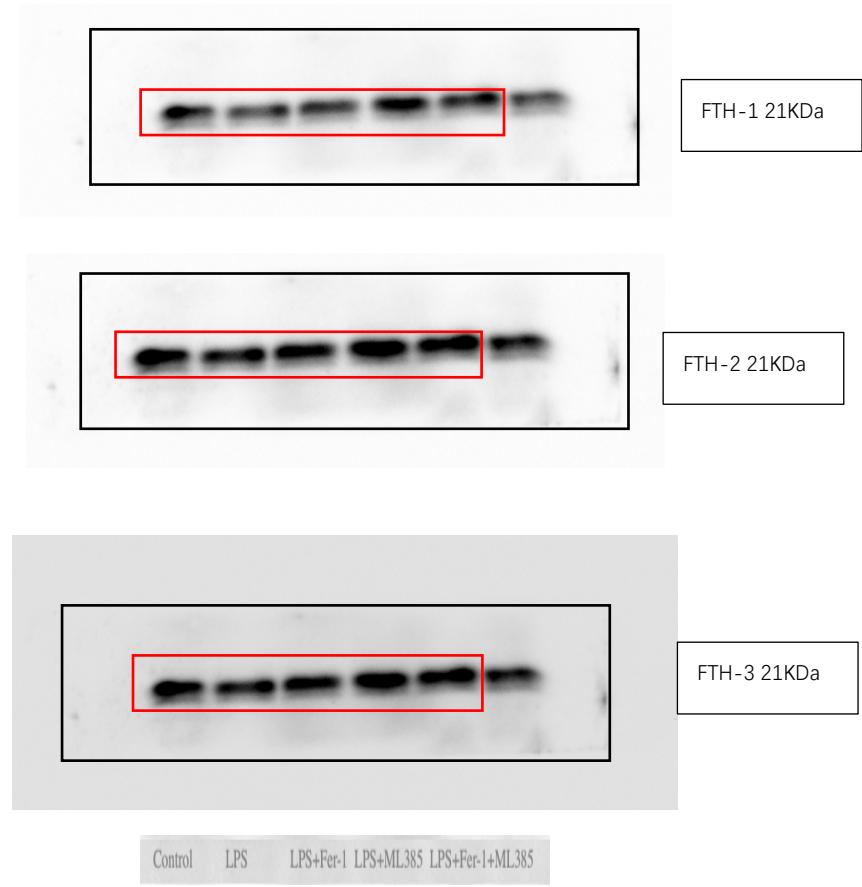


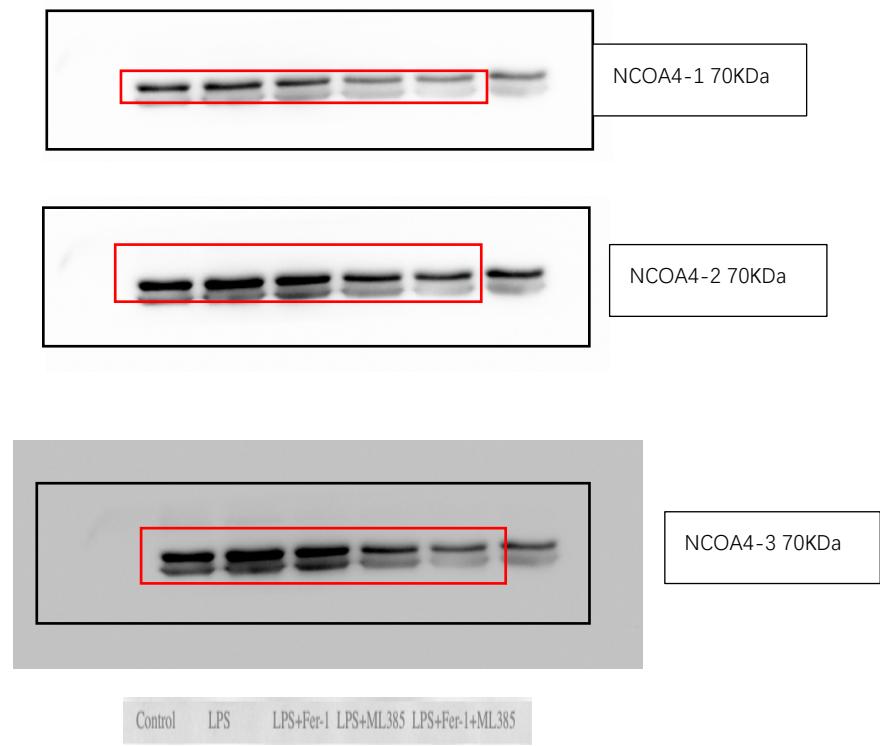
Fig 5E
multiple exposure images of Actin

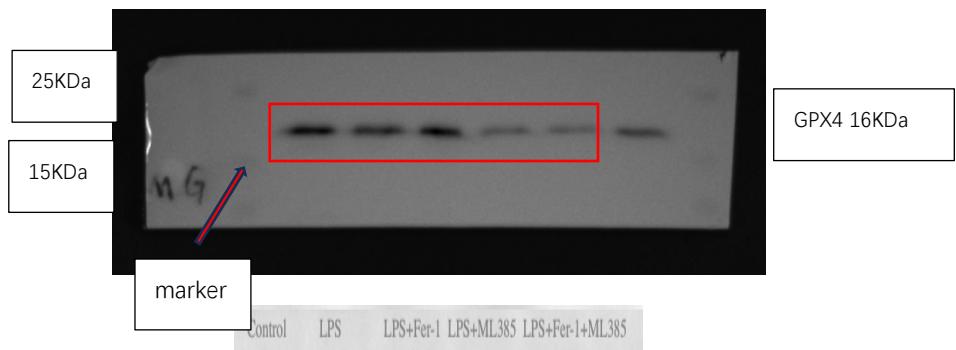


multiple exposure images of FTH

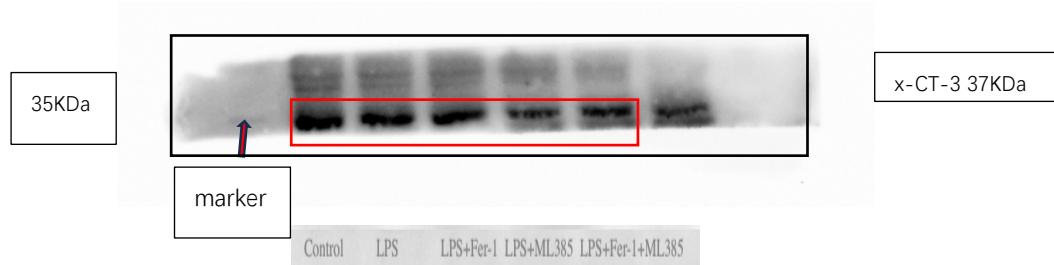
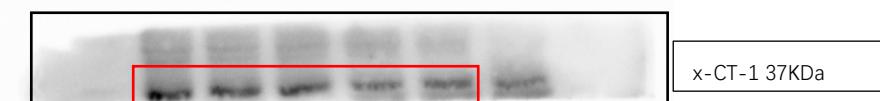


multiple exposure images of NCOA4

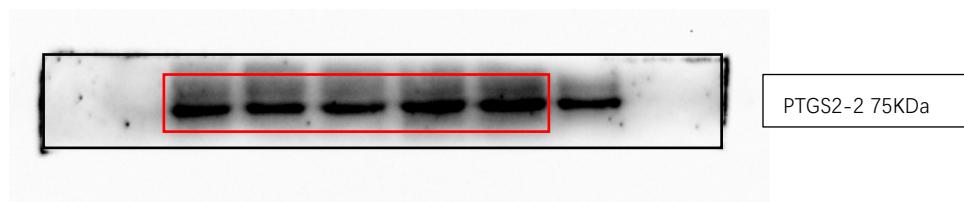
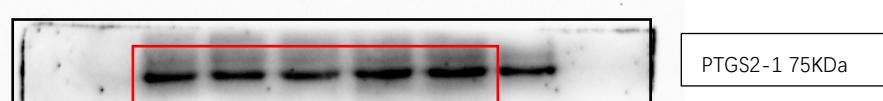




multiple exposure images of x-CT



multiple exposure images of PTGS2



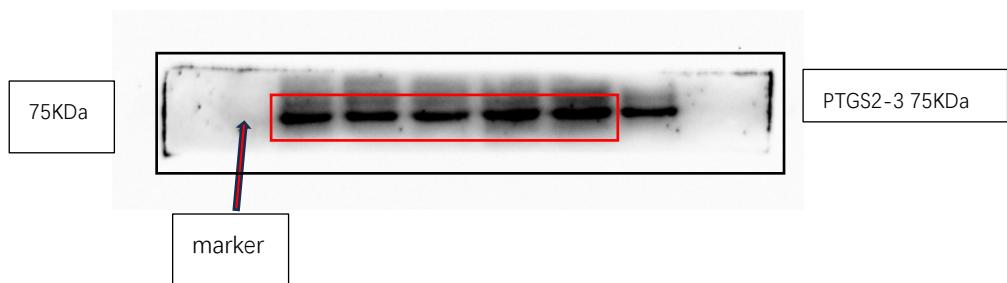
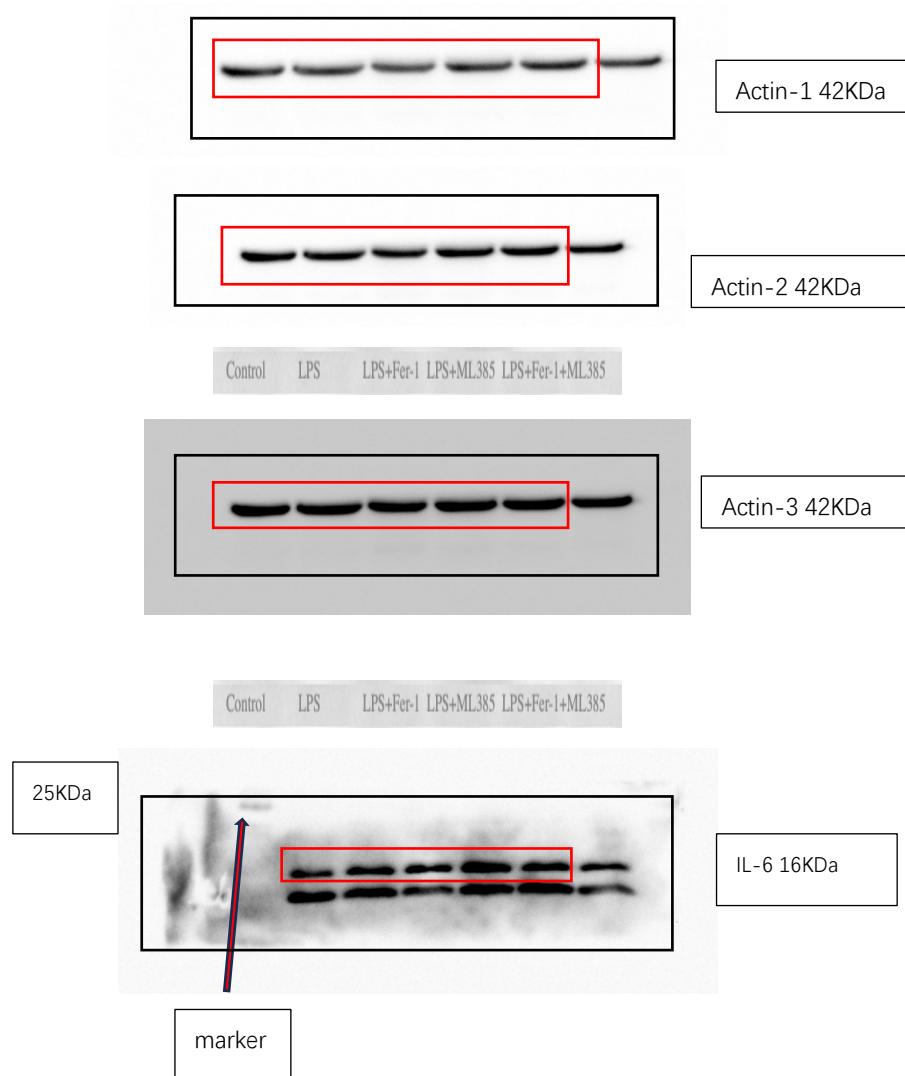


Fig 5F

multiple exposure images of Actin





multiple exposure images of HMGB1

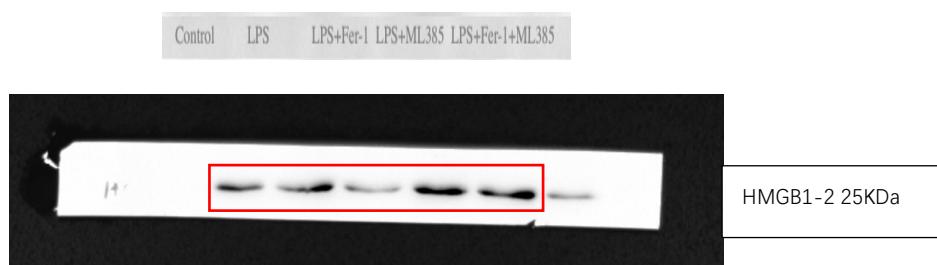
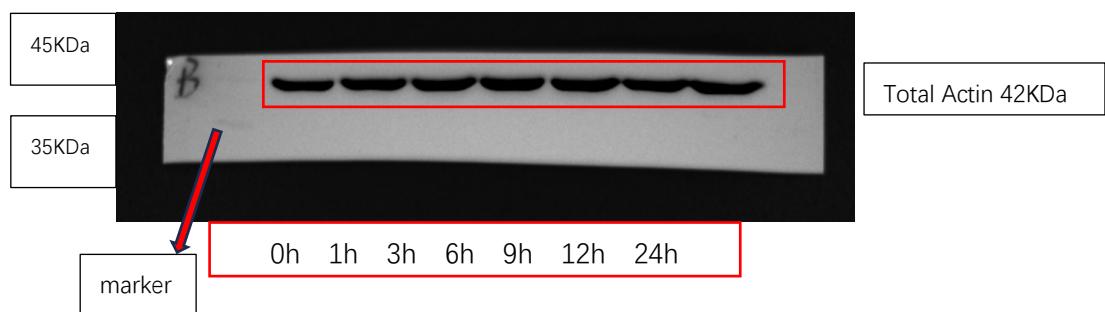
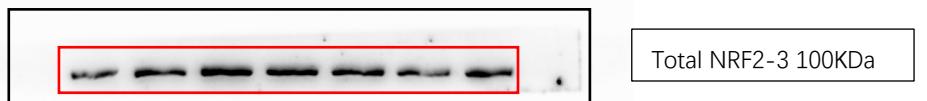
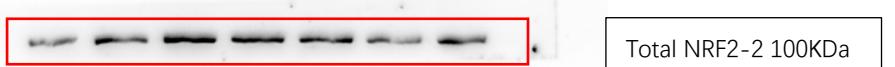


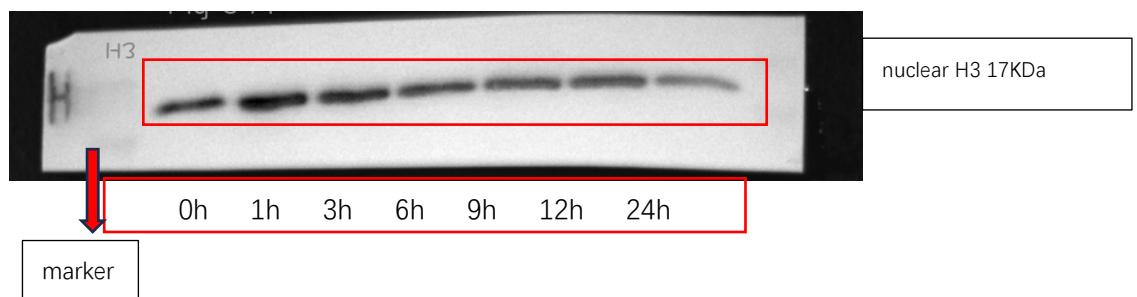
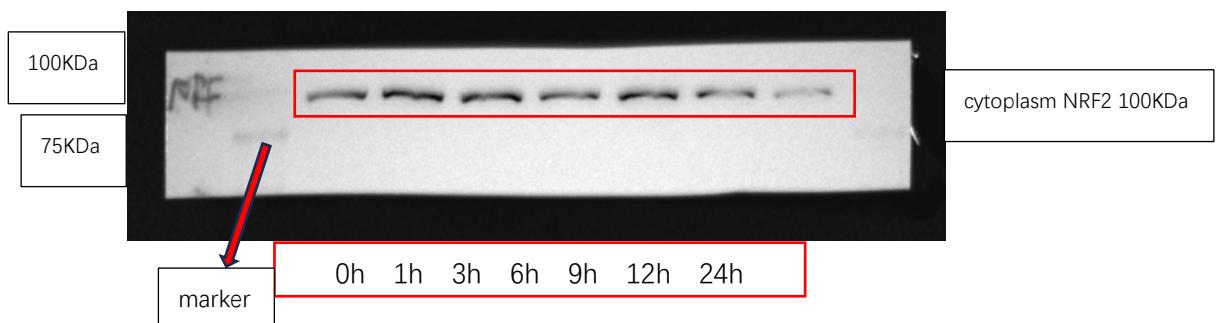
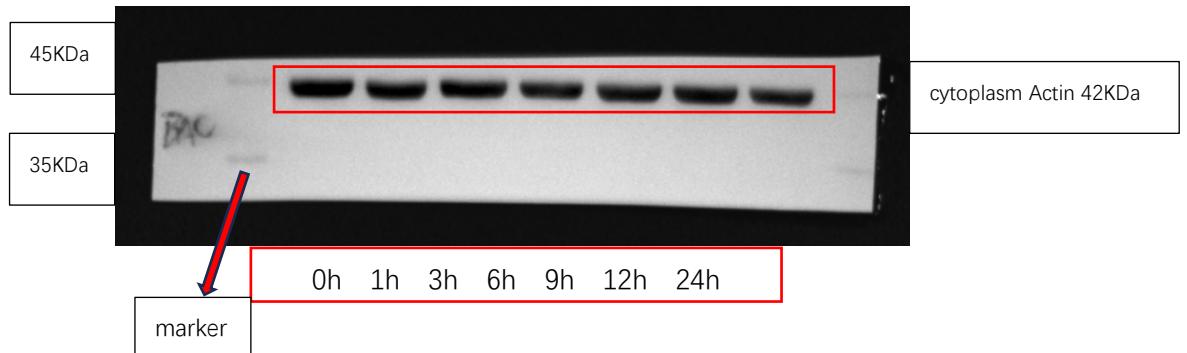
Fig 6A



multiple exposure images of Total NRF2



0h 1h 3h 6h 9h 12h 24h



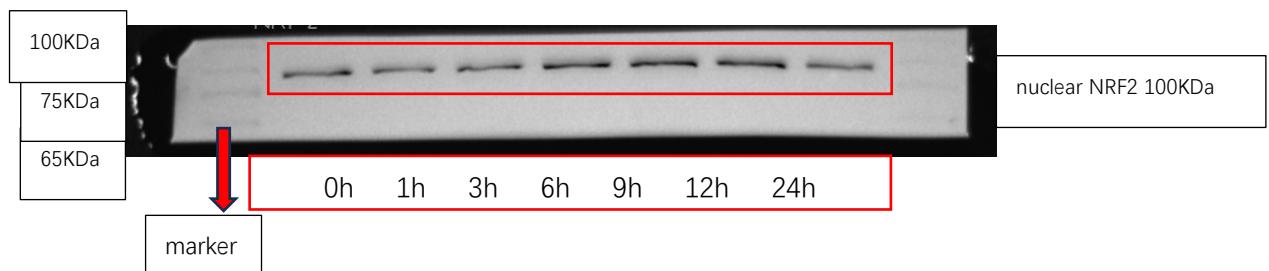
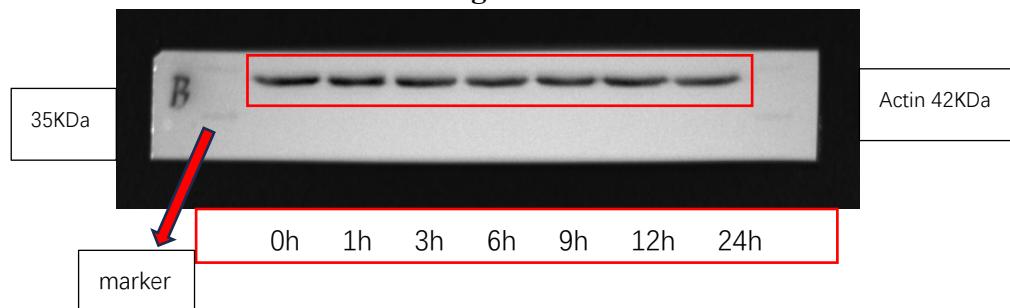
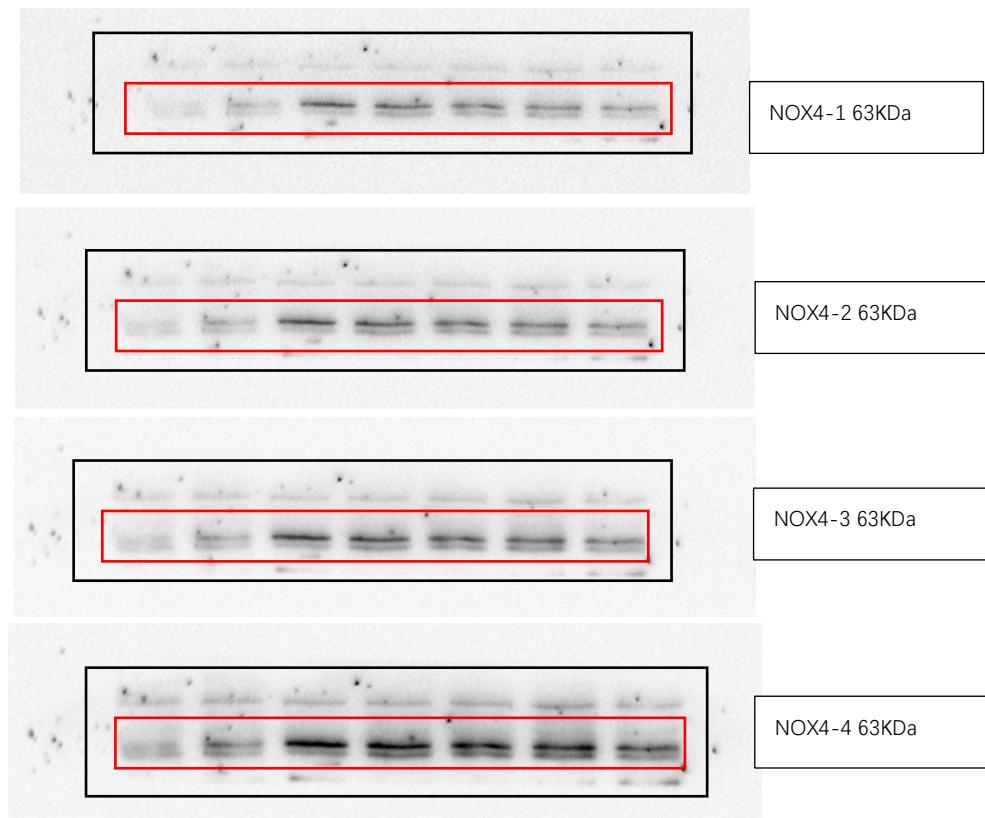


Fig 6C



multiple exposure images of Total NOX4



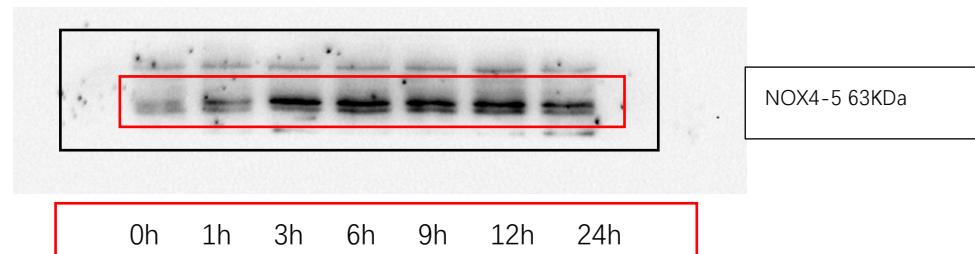
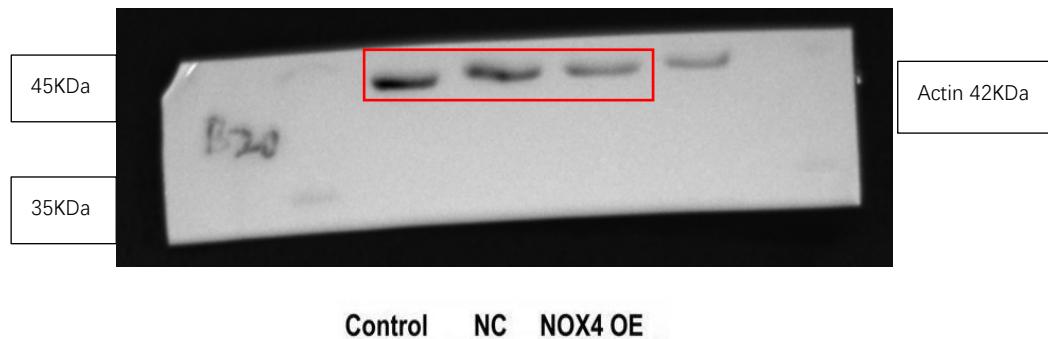
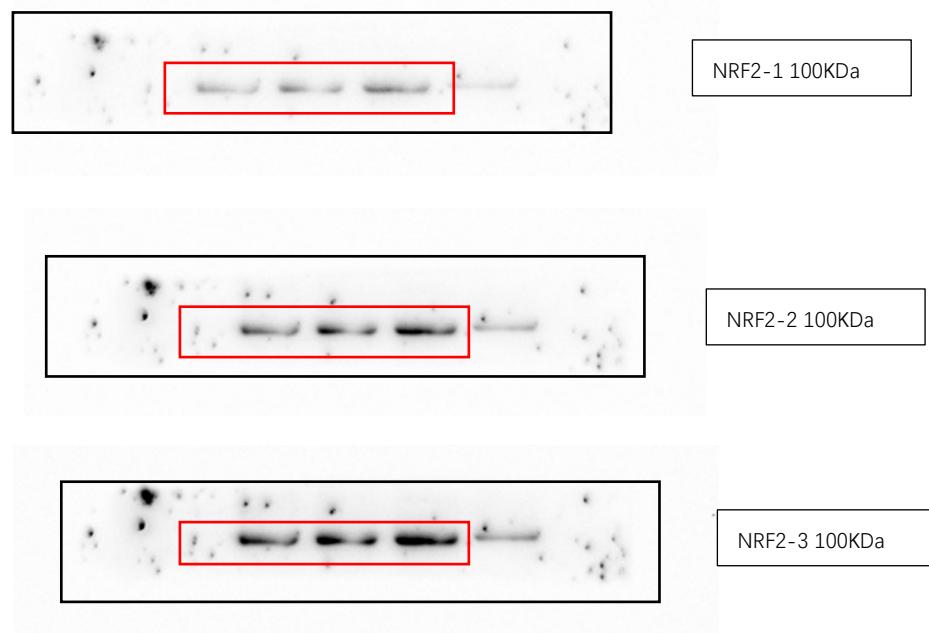
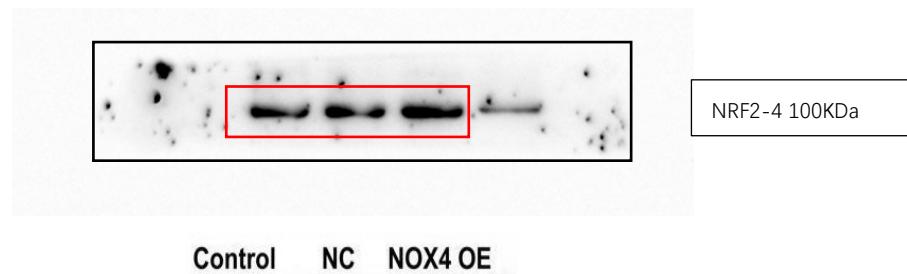


Fig 6E



multiple exposure images of NRF2





multiple exposure images of NOX4

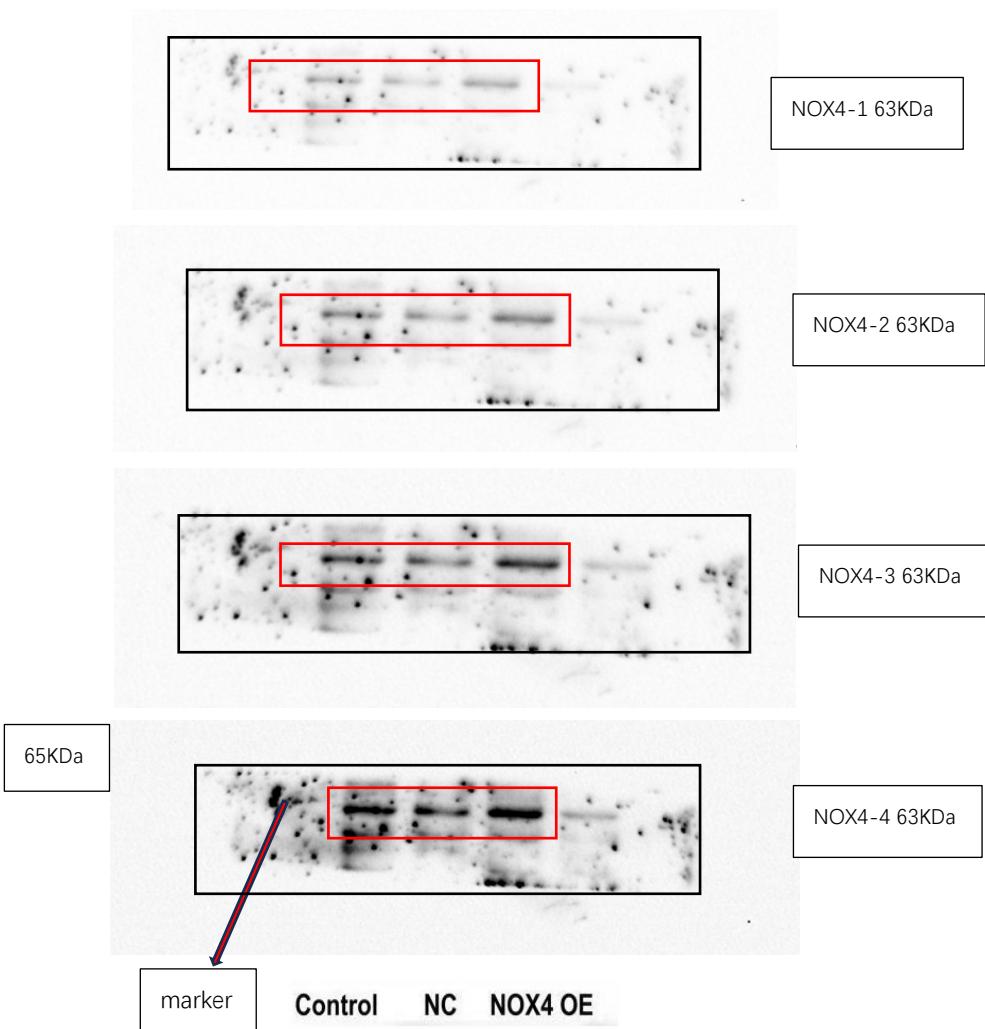
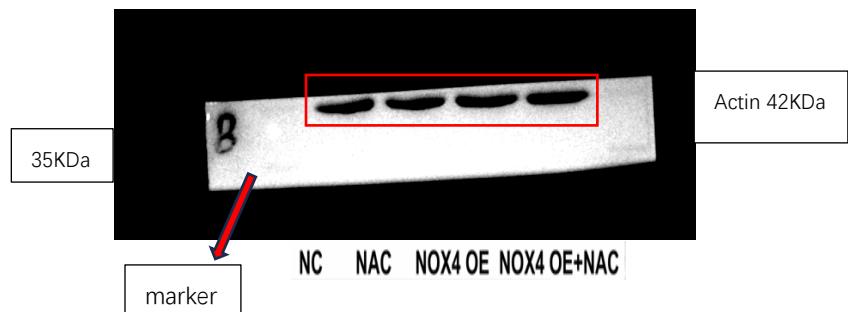


Fig 6G



multiple exposure images of NOX4

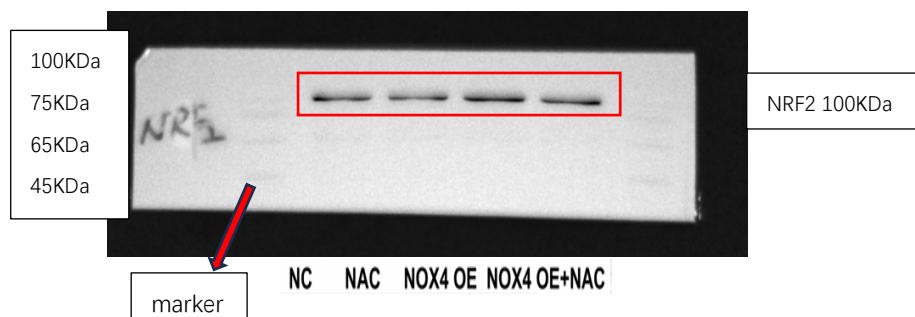
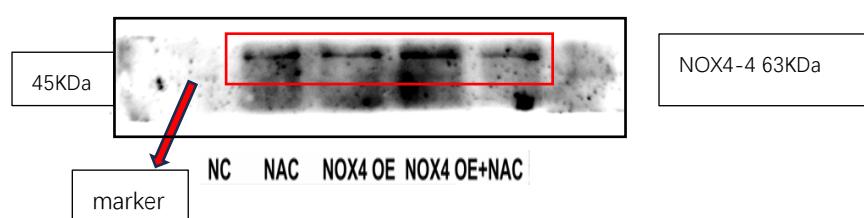
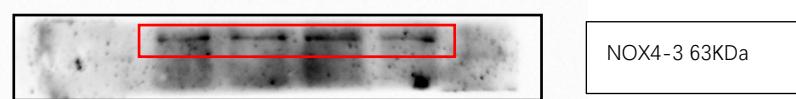
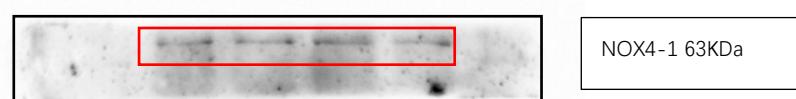
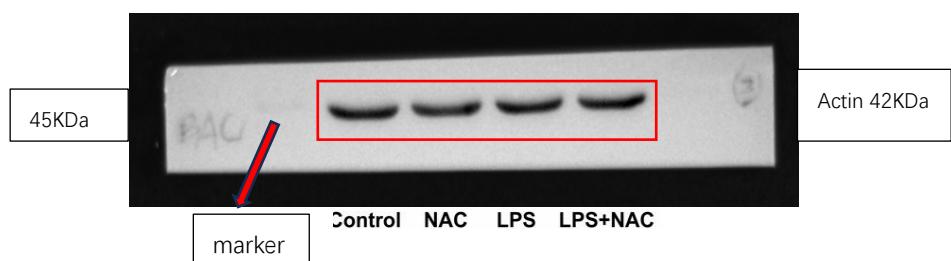
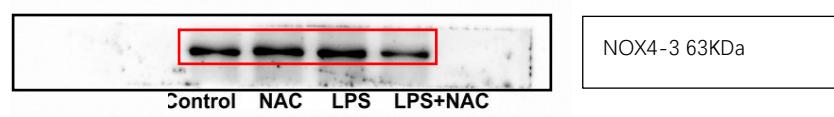
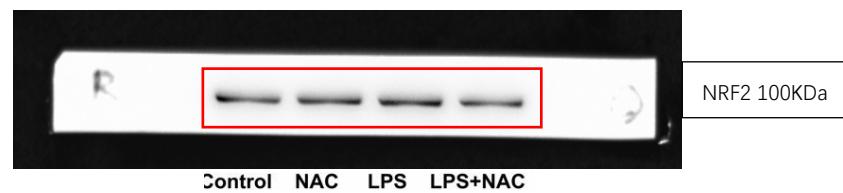


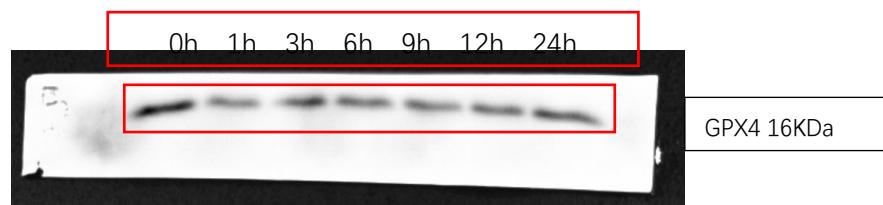
Fig 6H



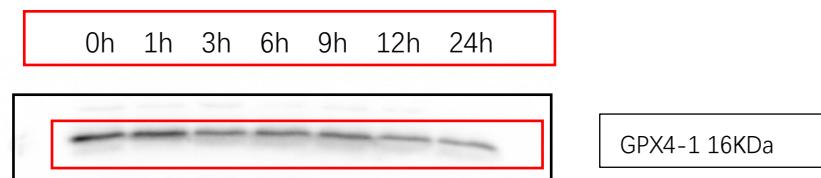


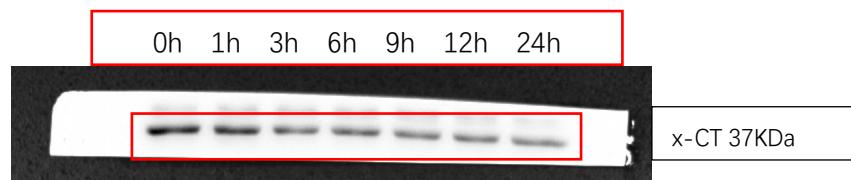
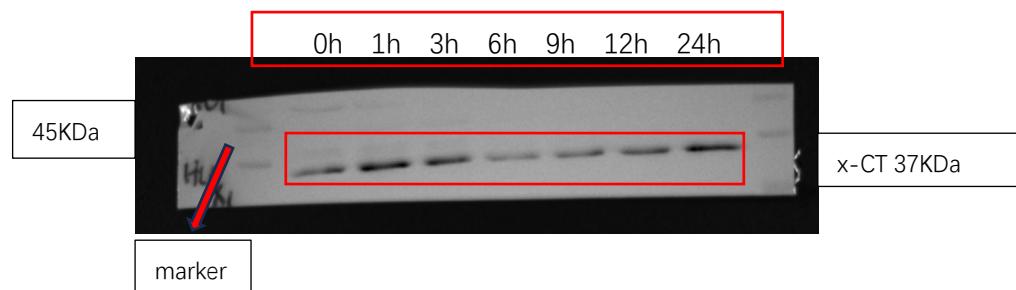
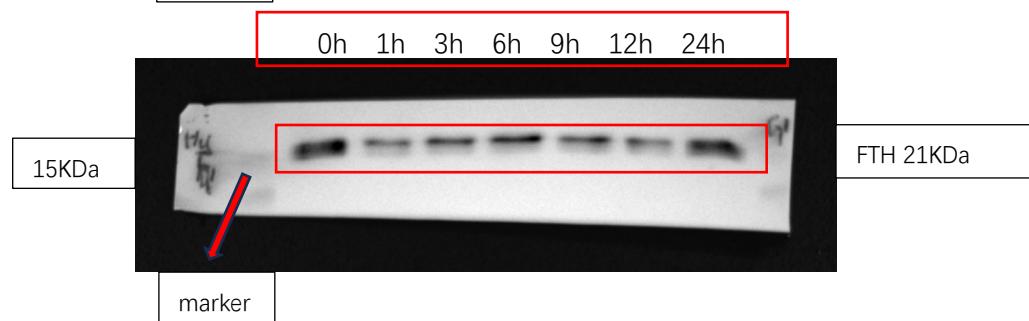
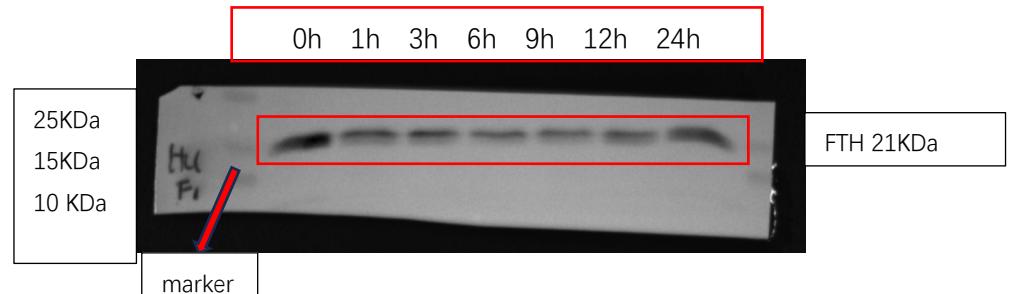
Replicate blots

Fig 2E



multiple exposure images of GPX4





multiple exposure images of NCOA4

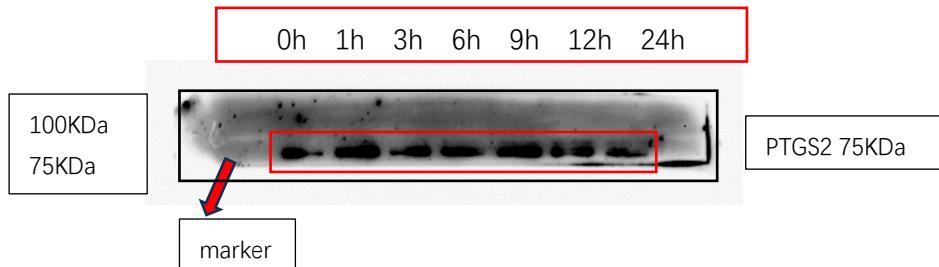
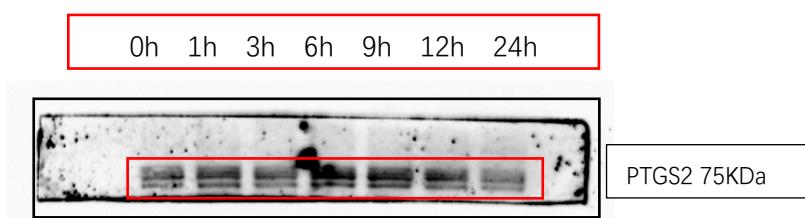
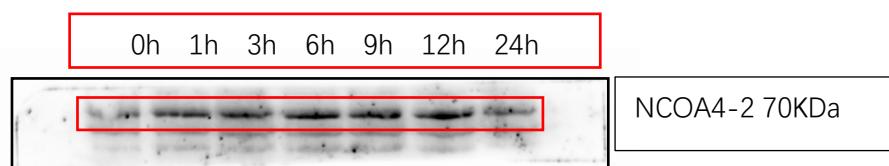
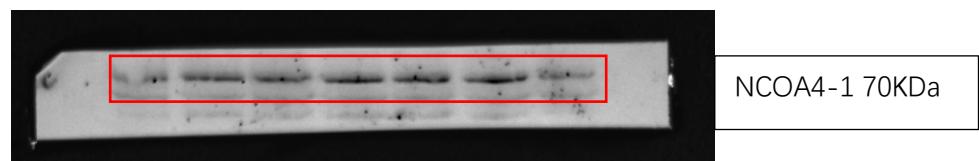
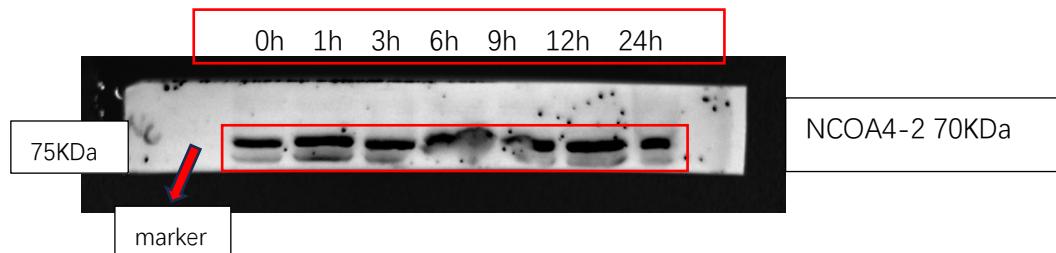
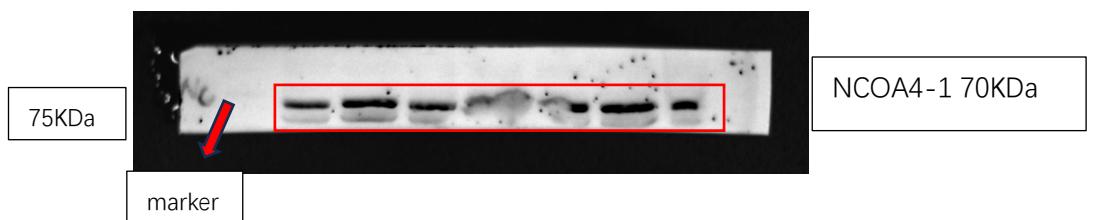
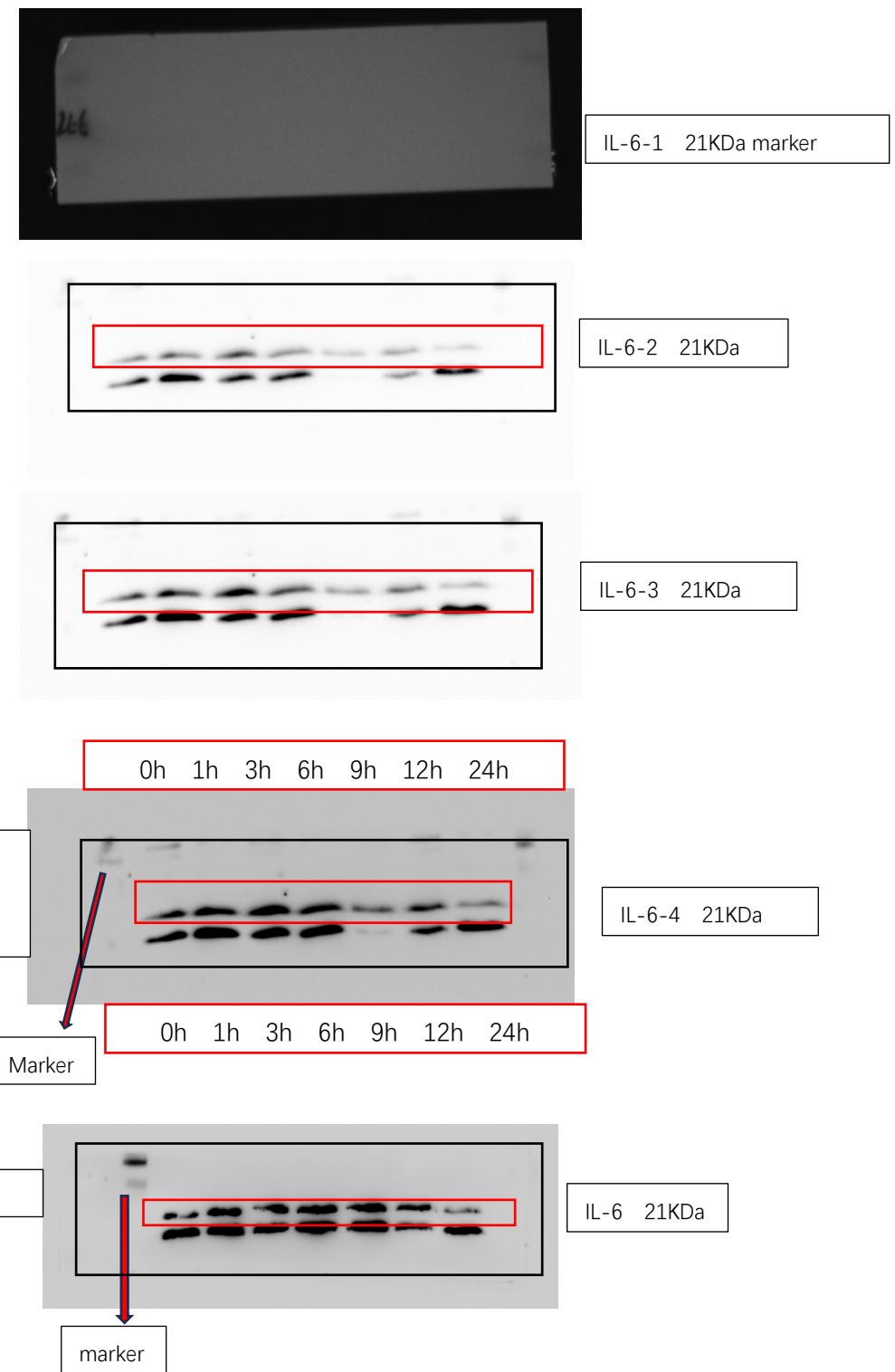


Fig 2B



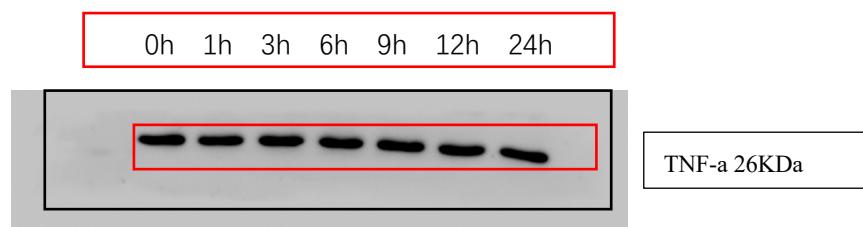
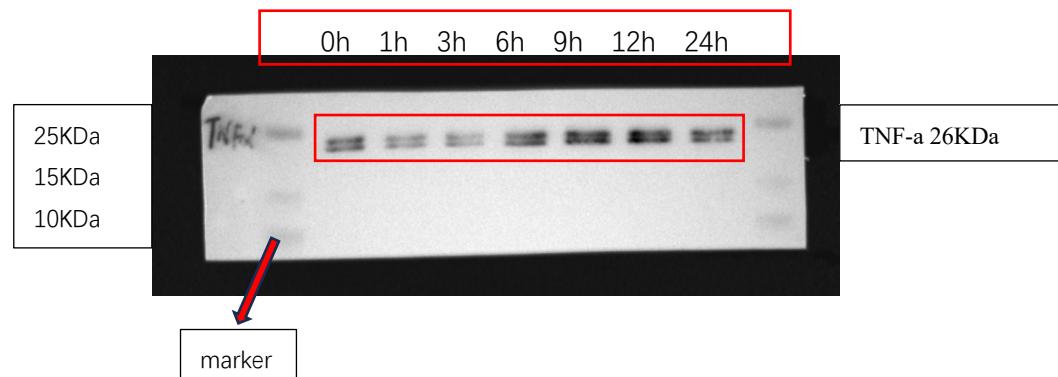
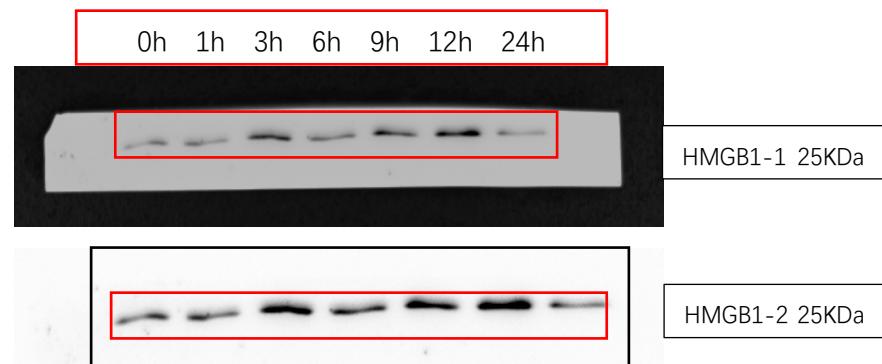
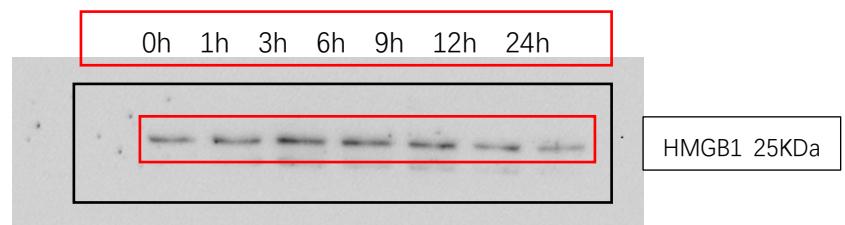
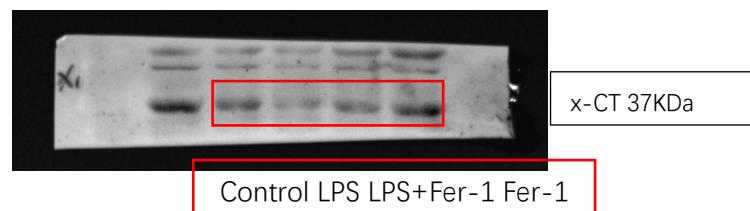
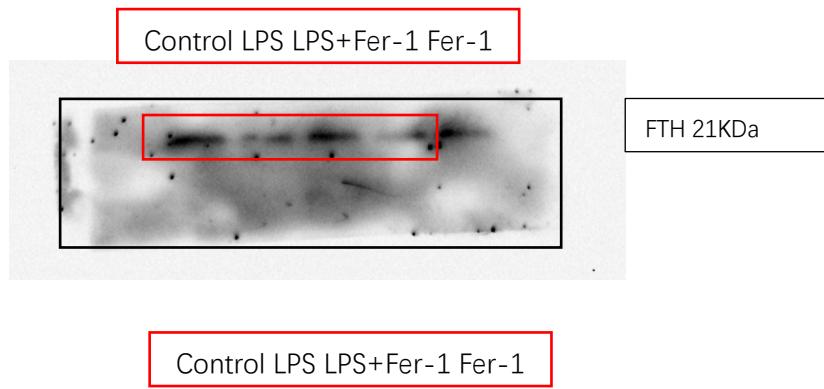
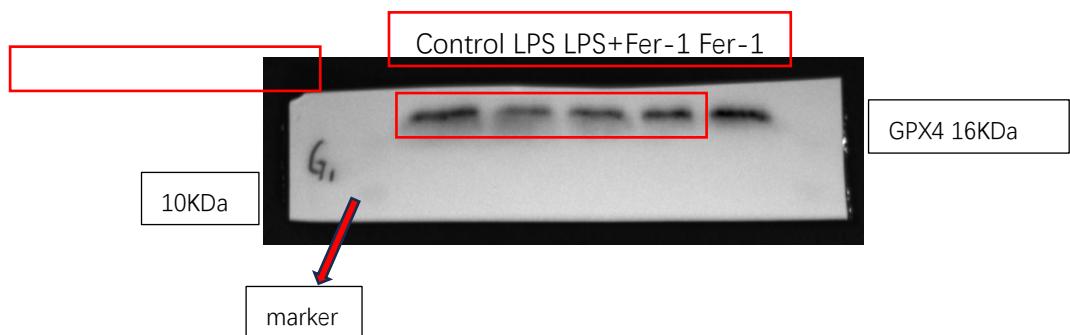
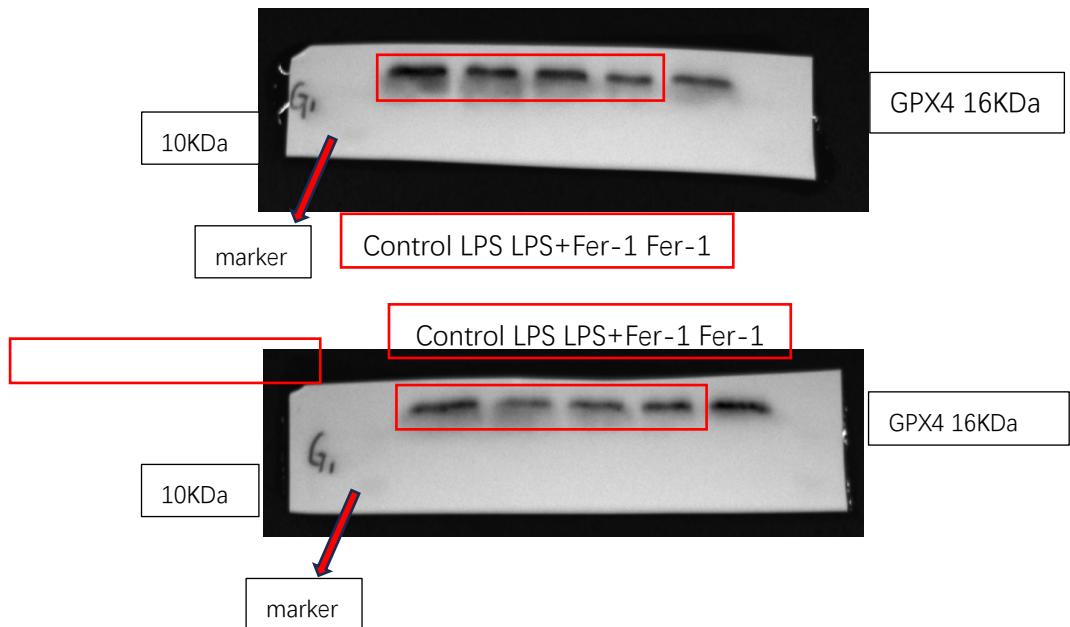
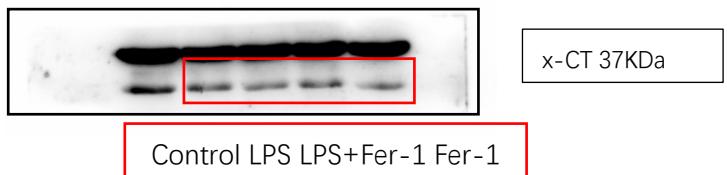
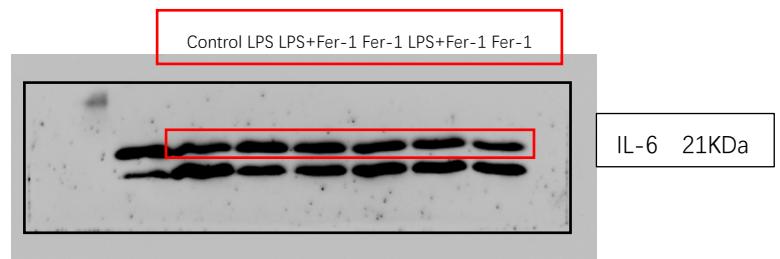
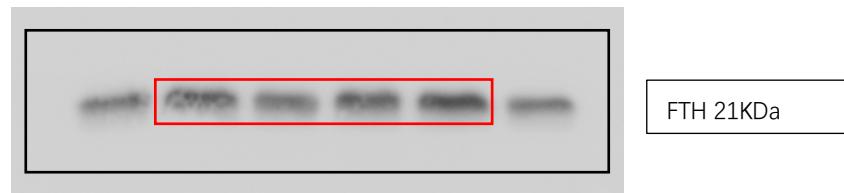


Fig 3E







multiple exposure images of HMGB

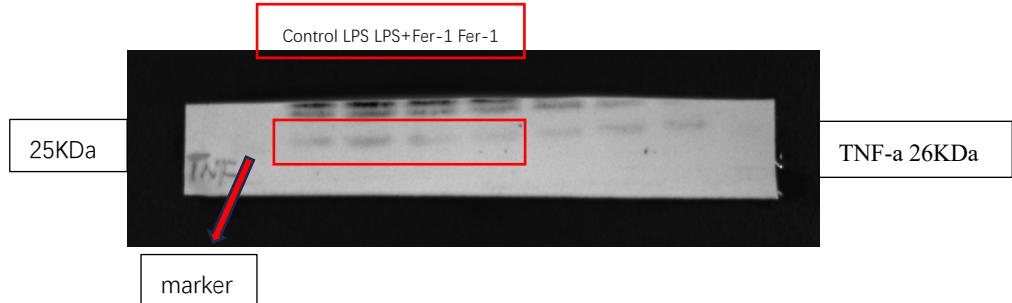
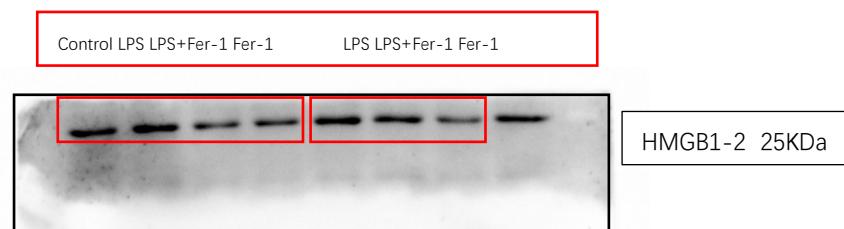
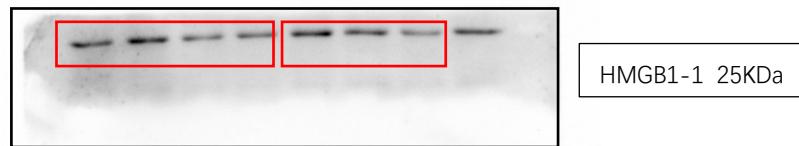
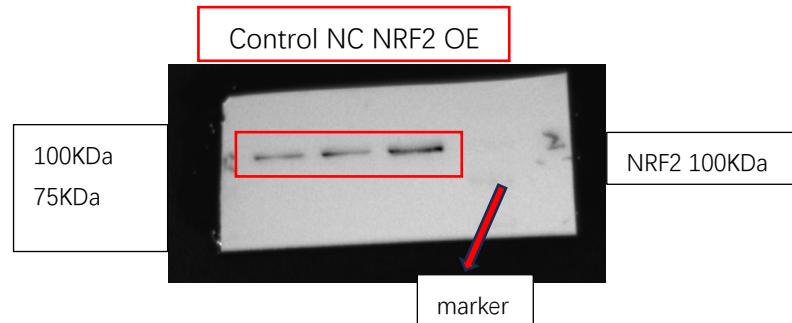


Fig 4B



multiple exposure images of NRF2

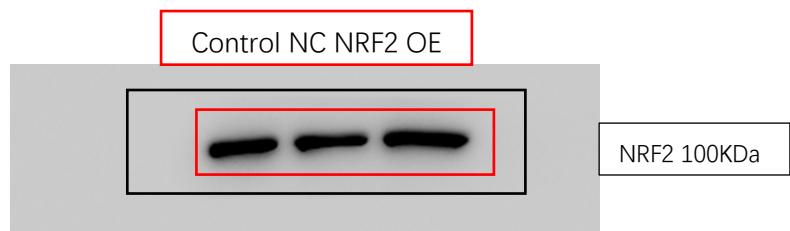
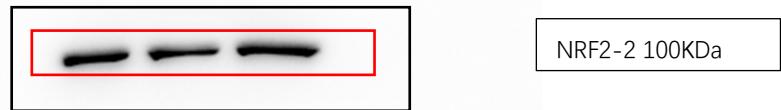
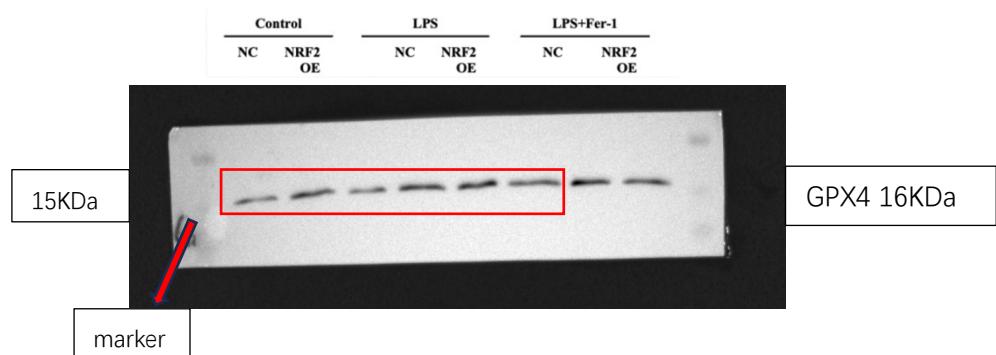
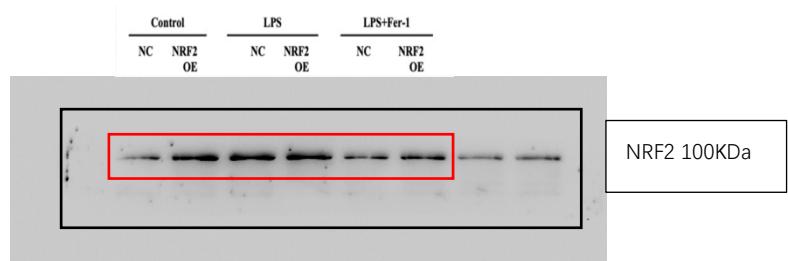
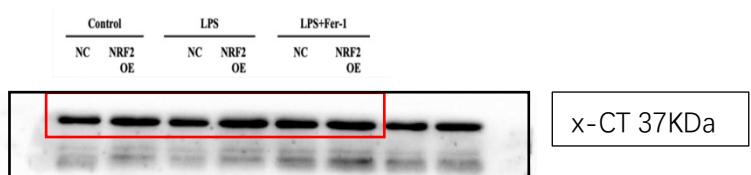
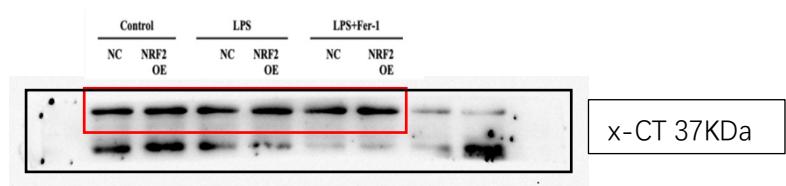
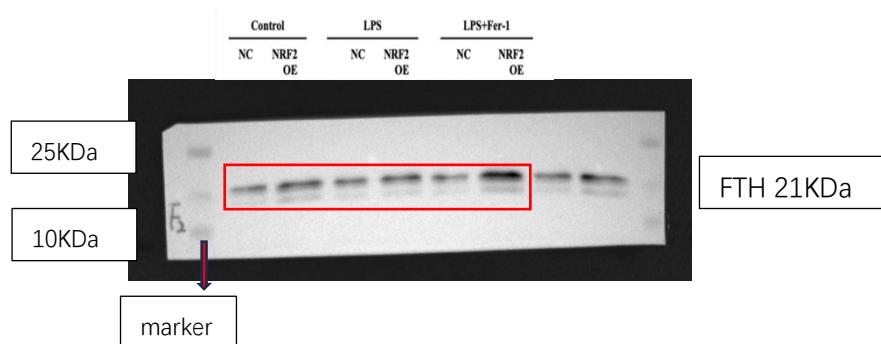
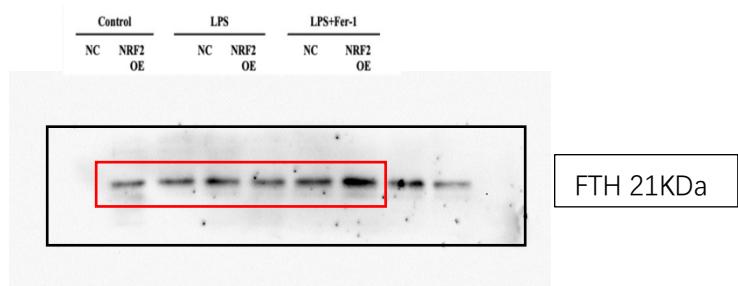
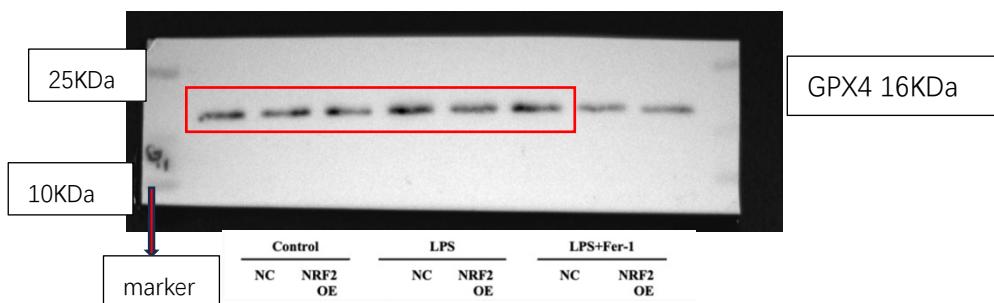
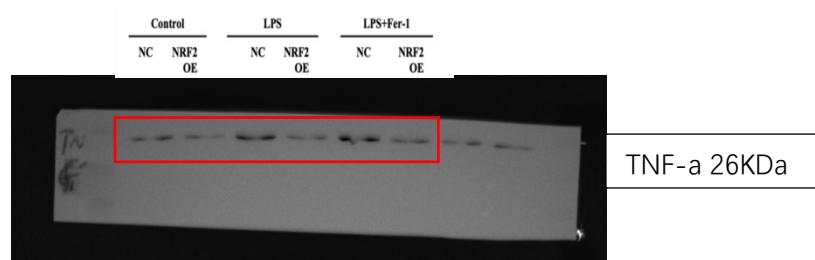
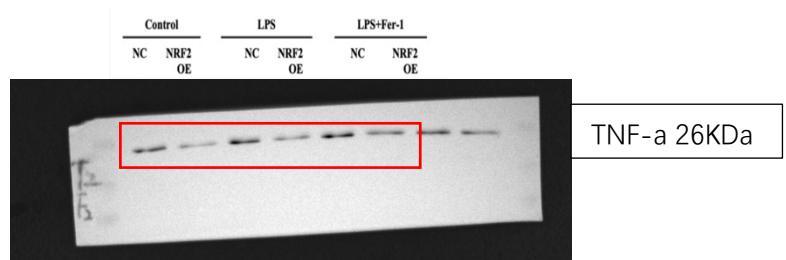
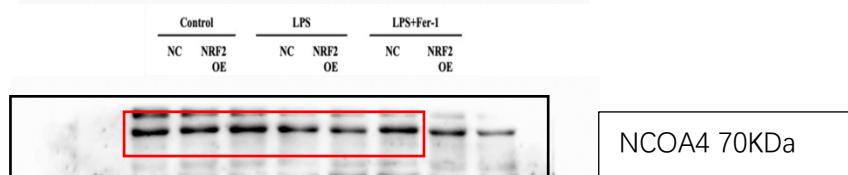
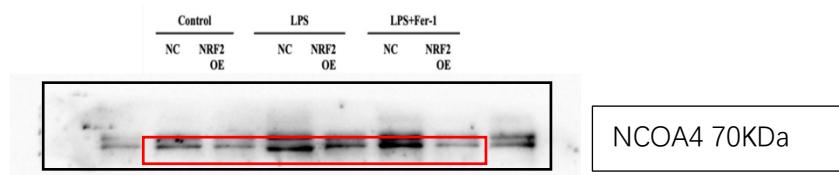
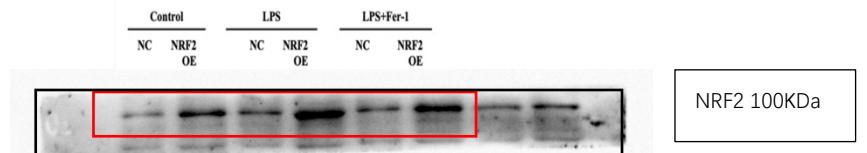


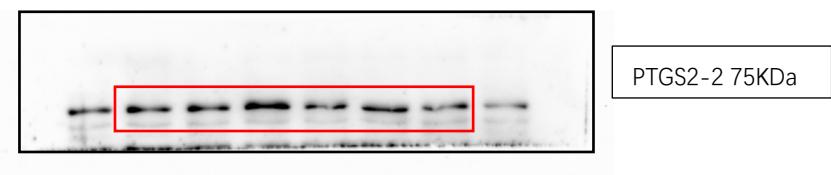
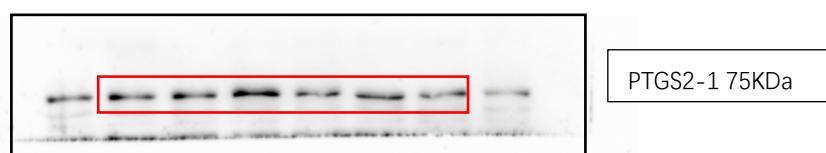
Fig 4F

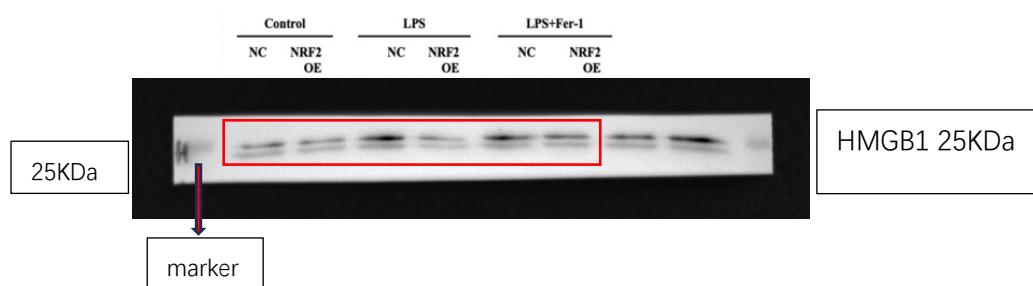
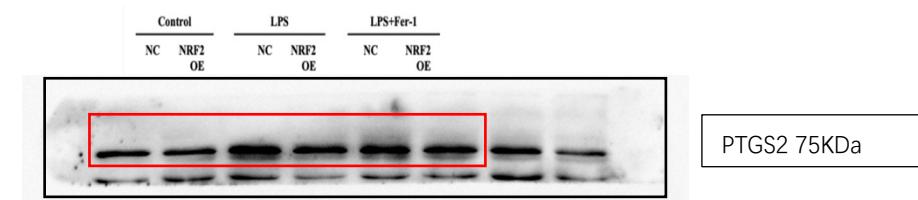
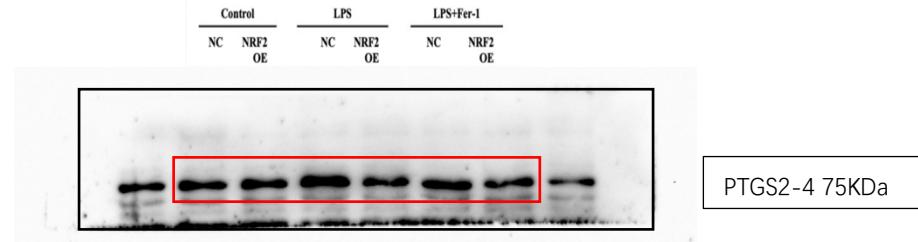
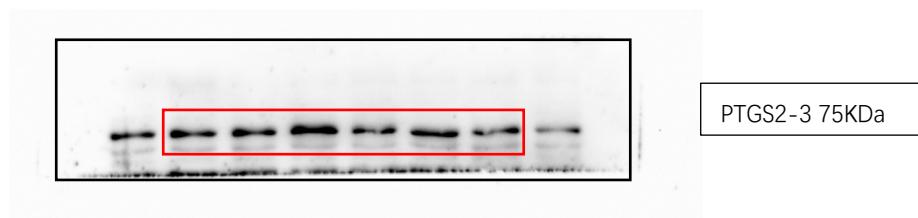




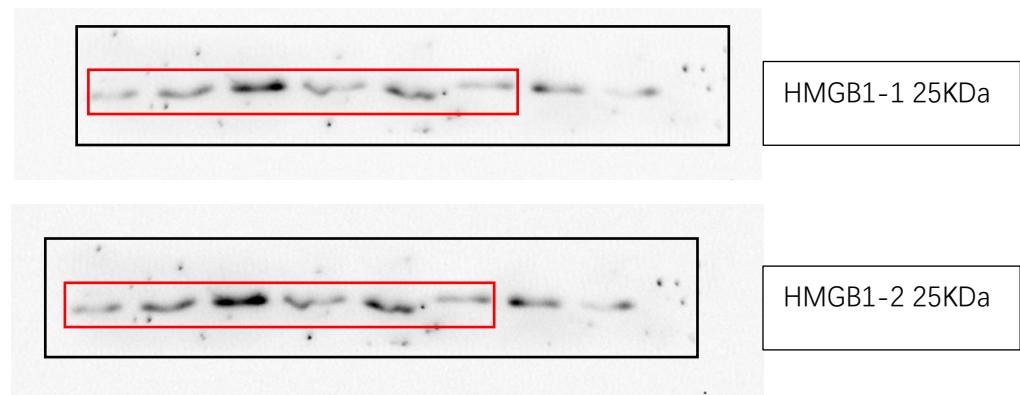


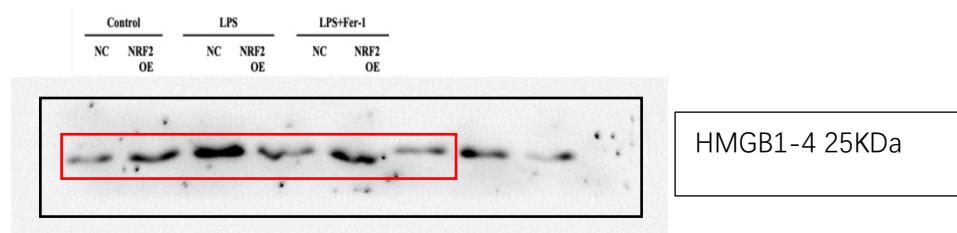
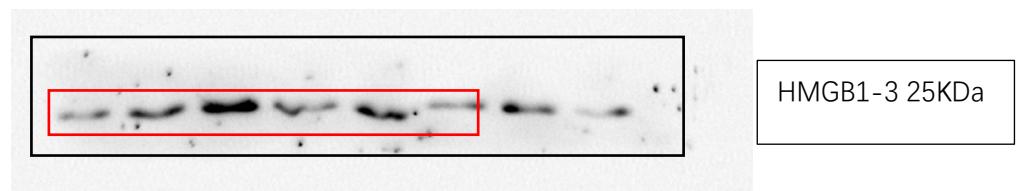
multiple exposure images of PTGS2





multiple exposure images of HMGB1





multiple exposure images of HMGB1

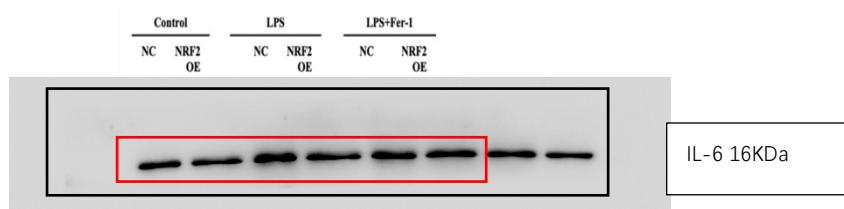
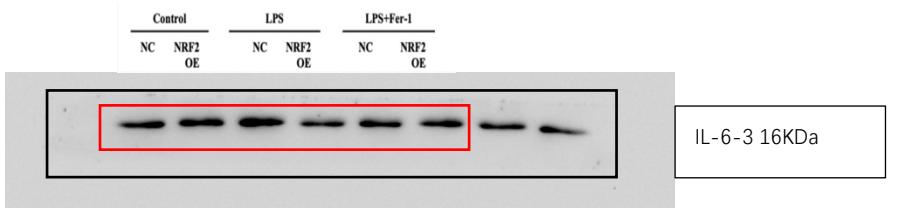
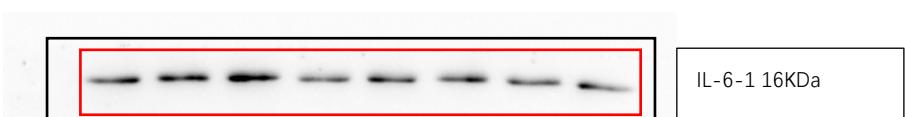


Fig 5A

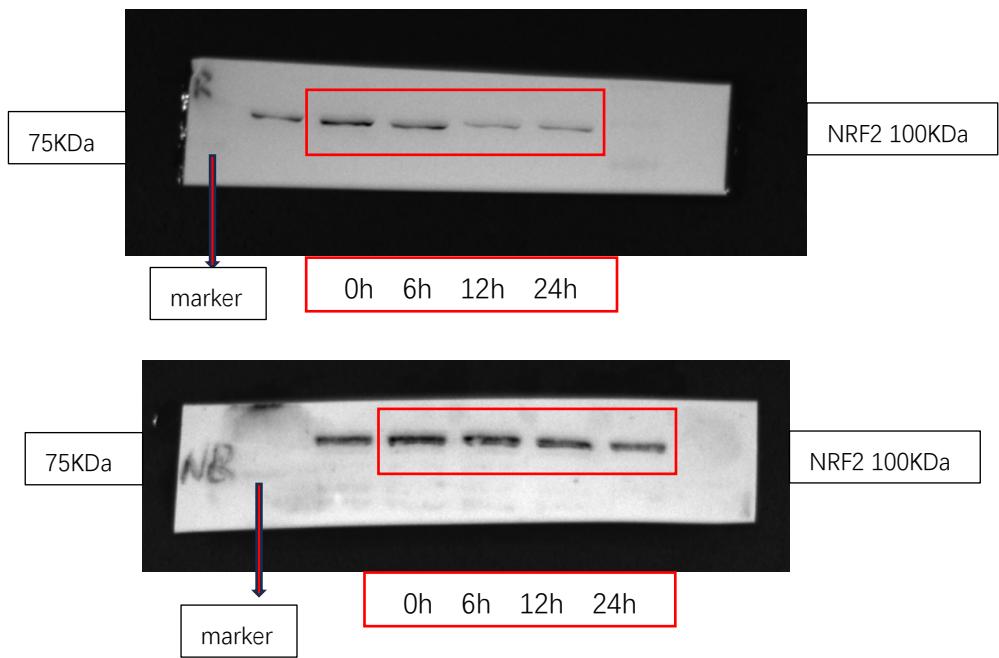
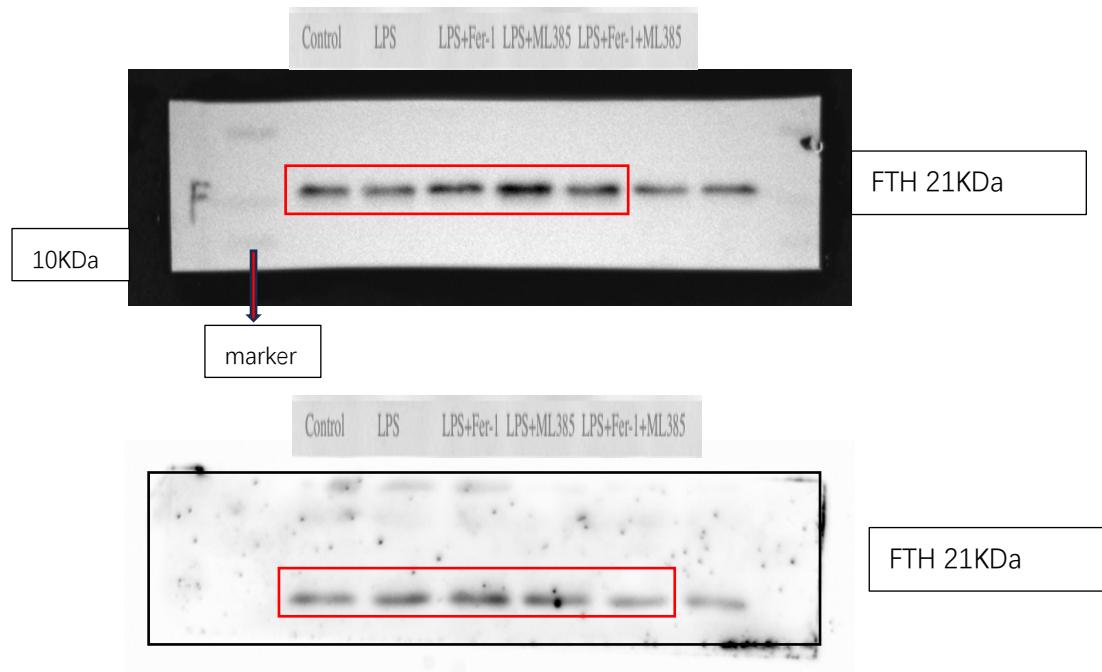
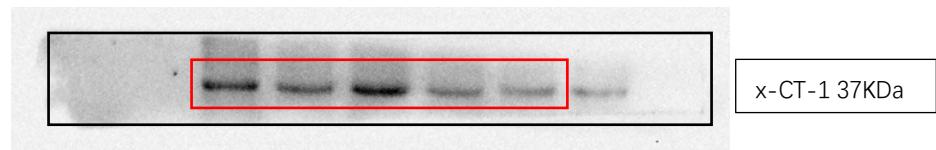
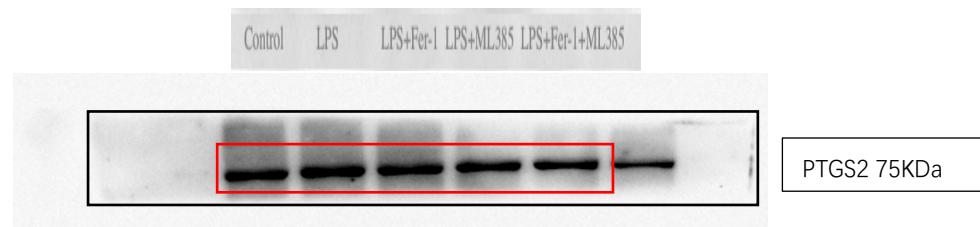
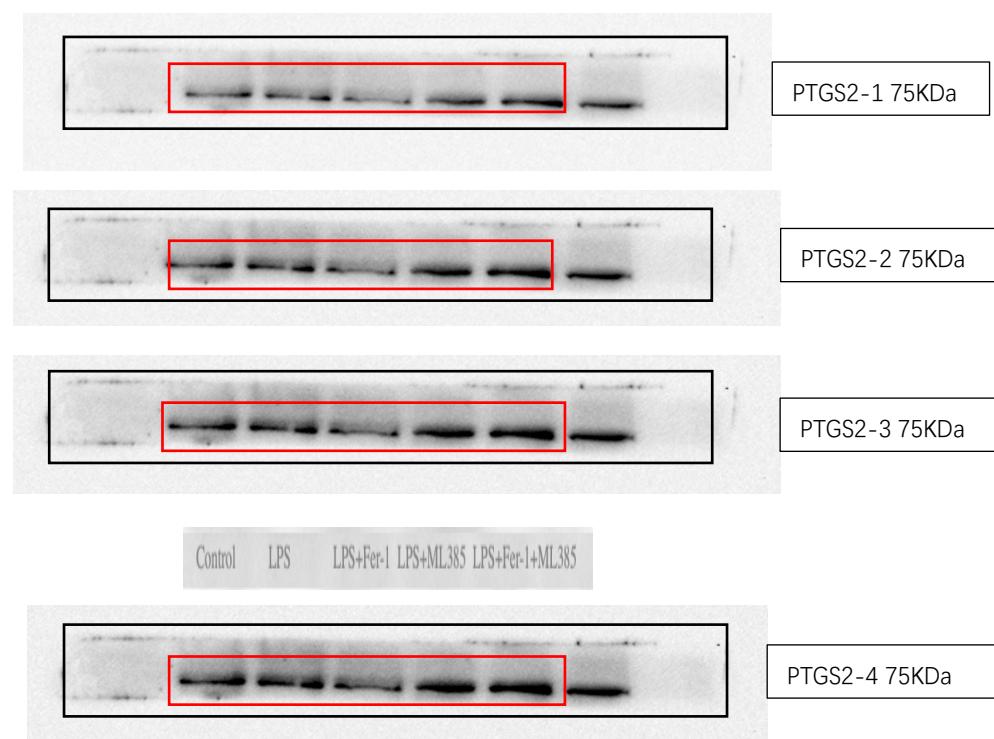


Fig 5E



multiple exposure images of x-CT





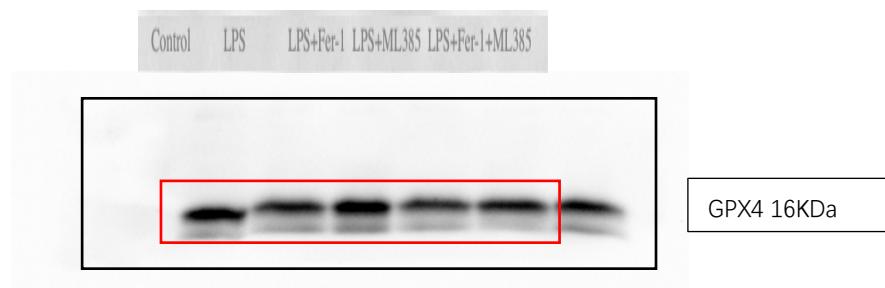


Fig 5F



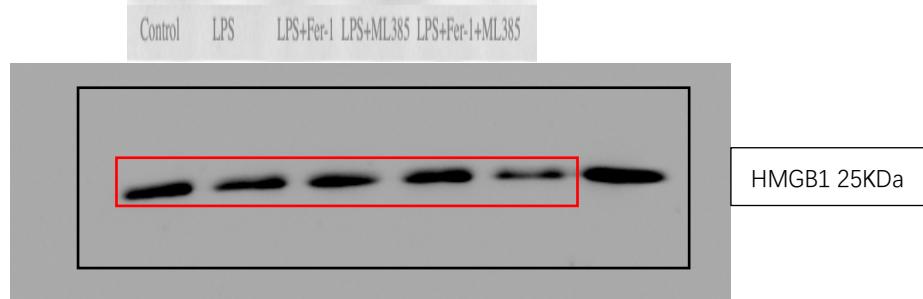
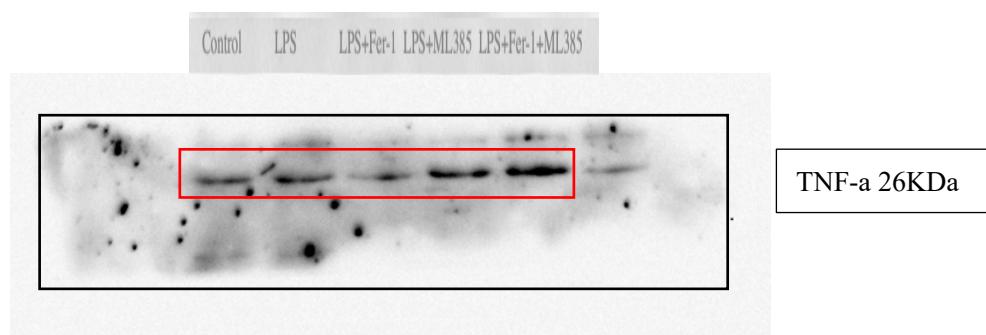
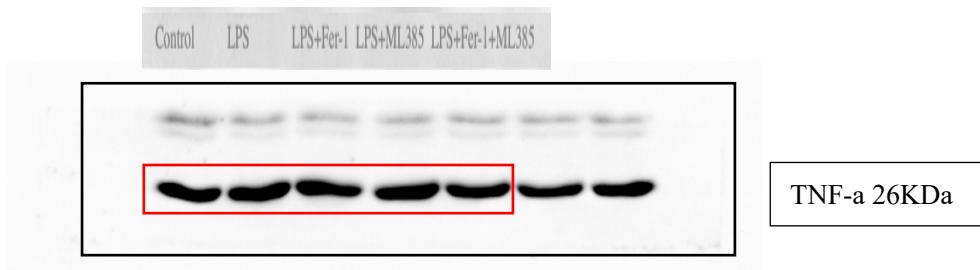
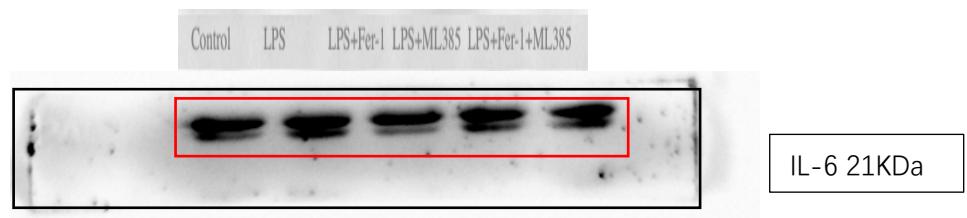
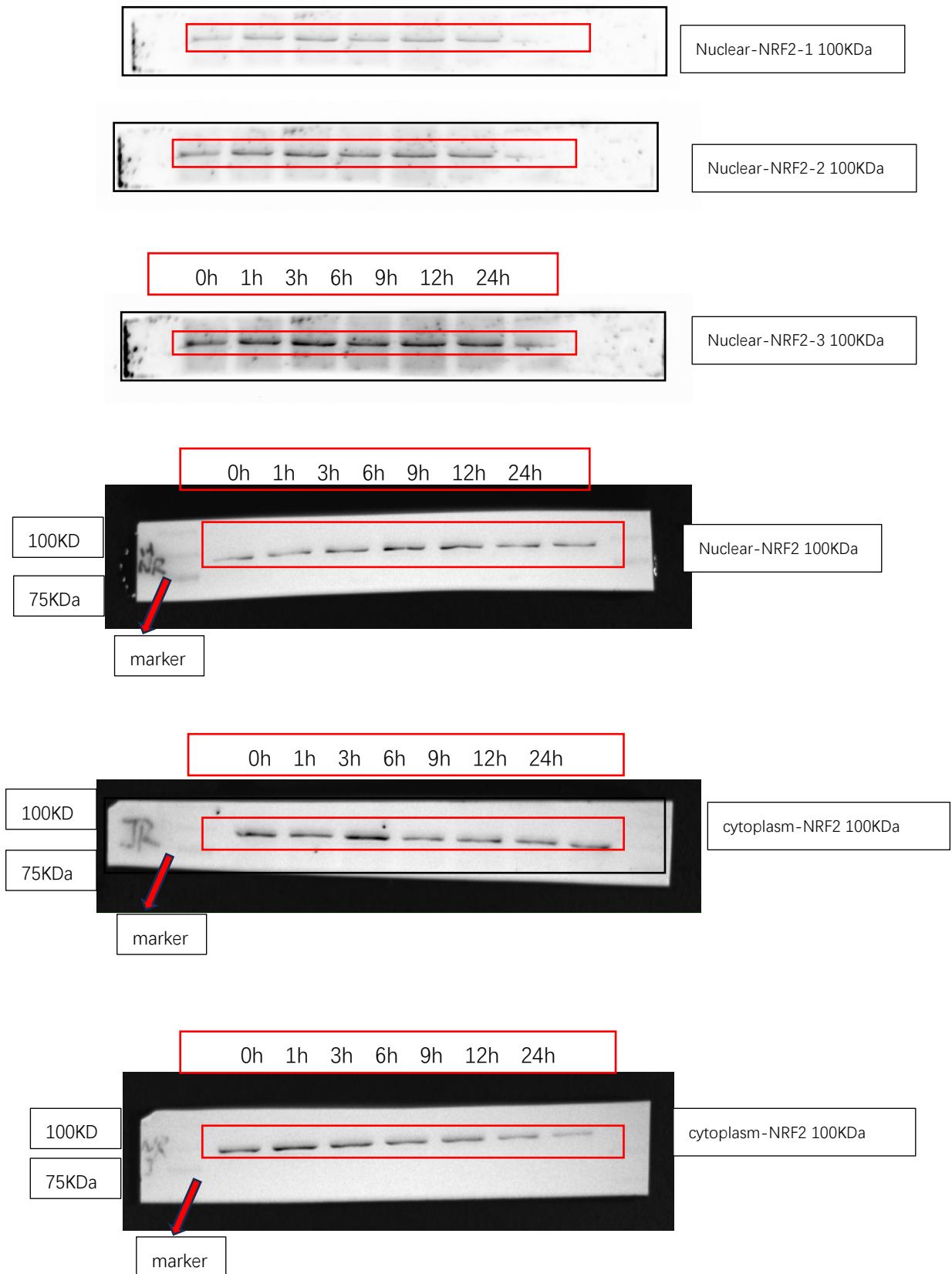


Fig 6A
multiple exposure images of PTGS2



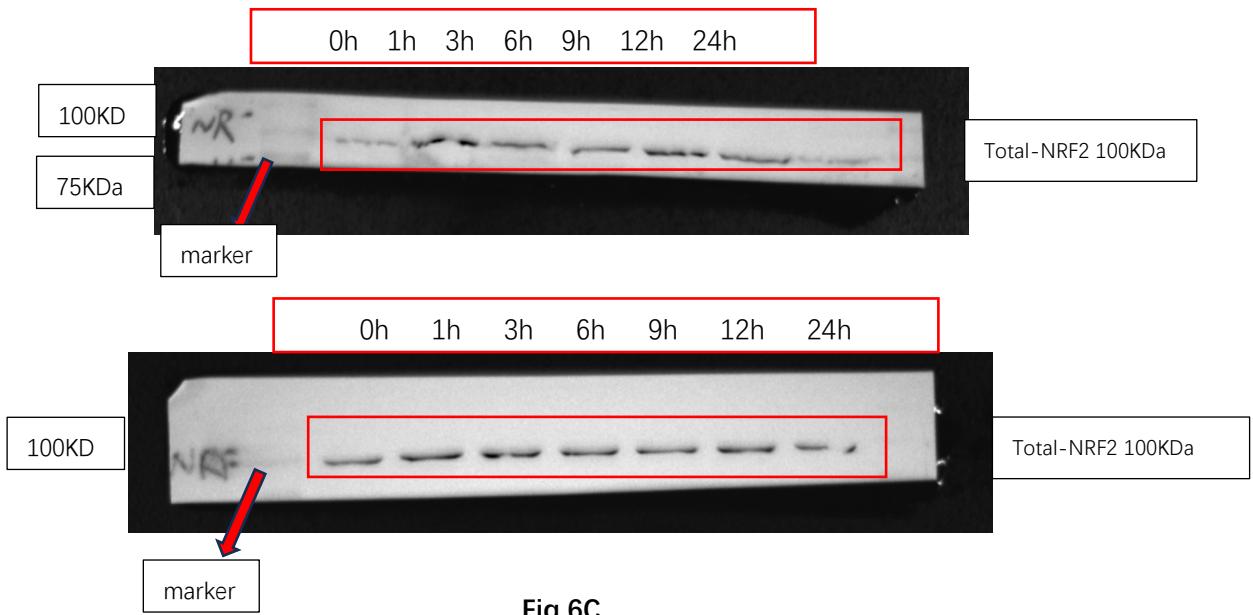


Fig 6C

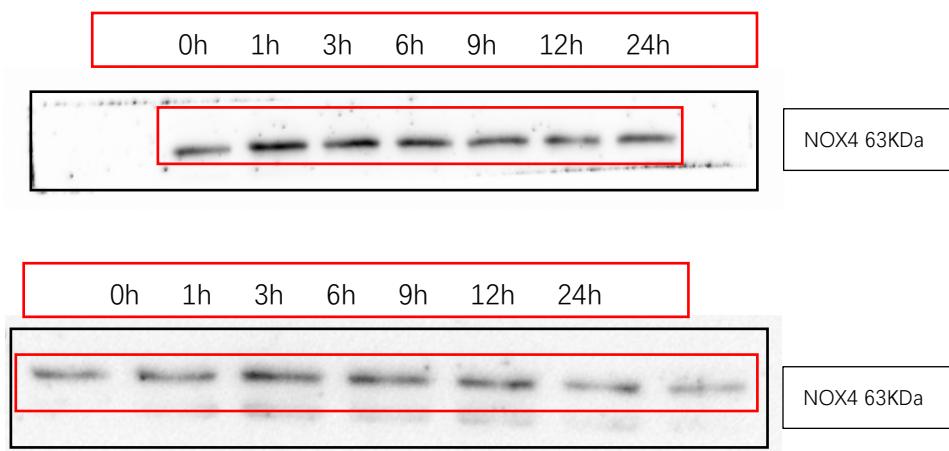
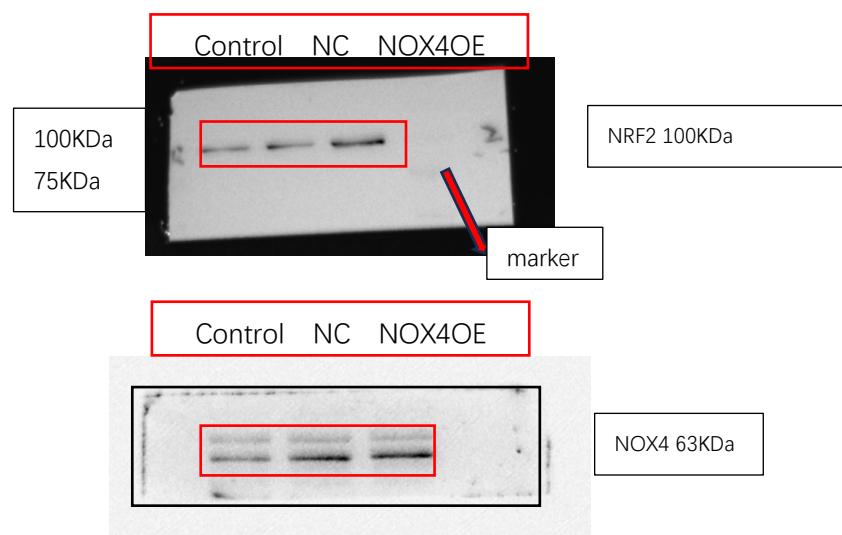


Fig 6E



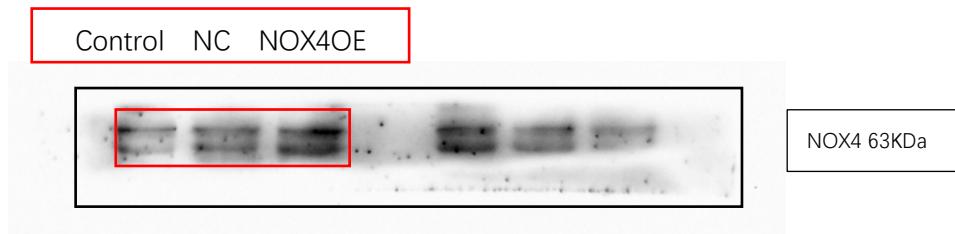
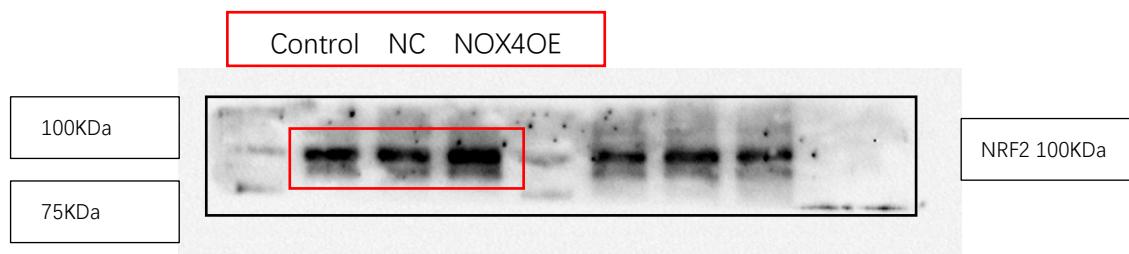
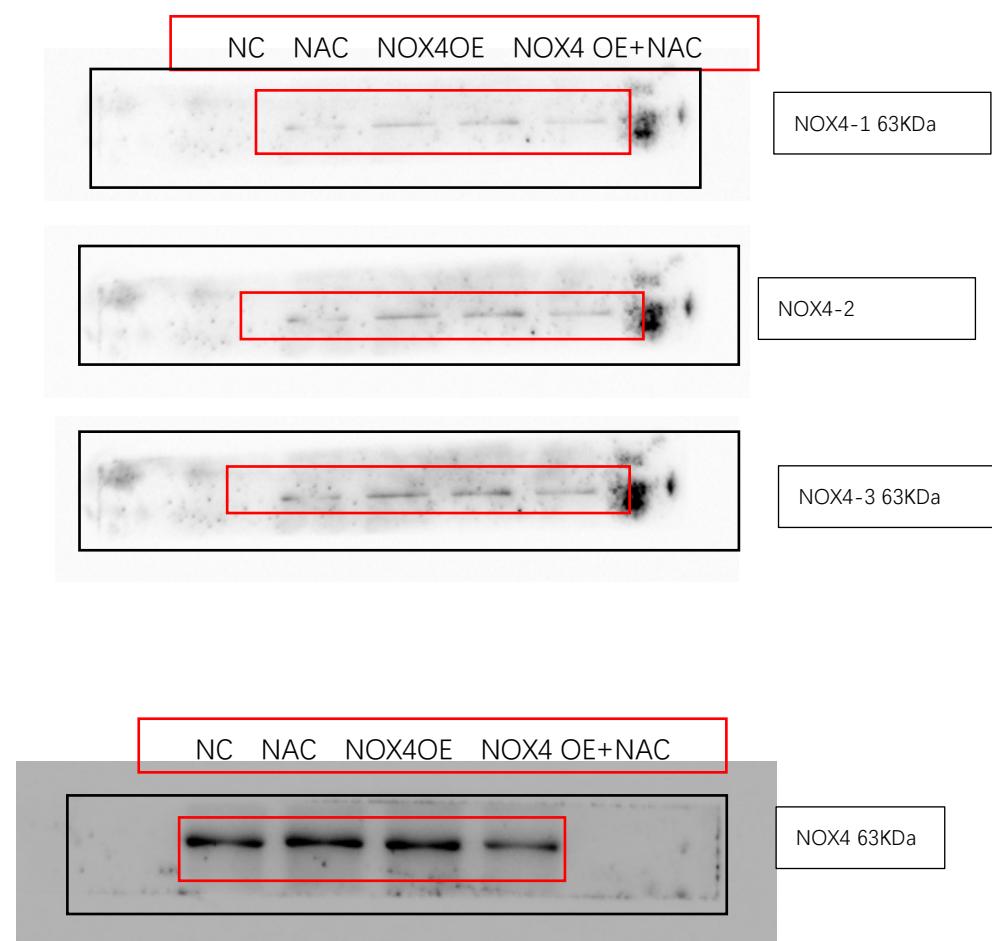


Fig 6G
multiple exposure images of NOX4



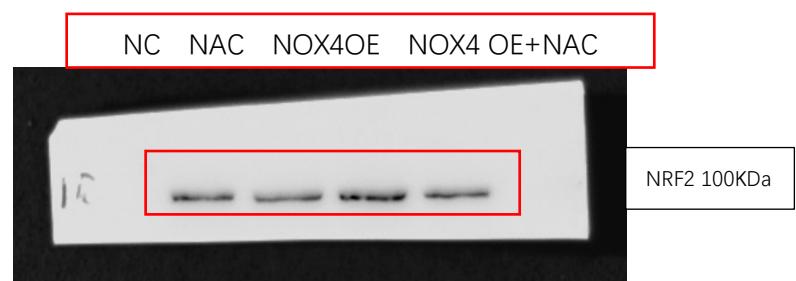
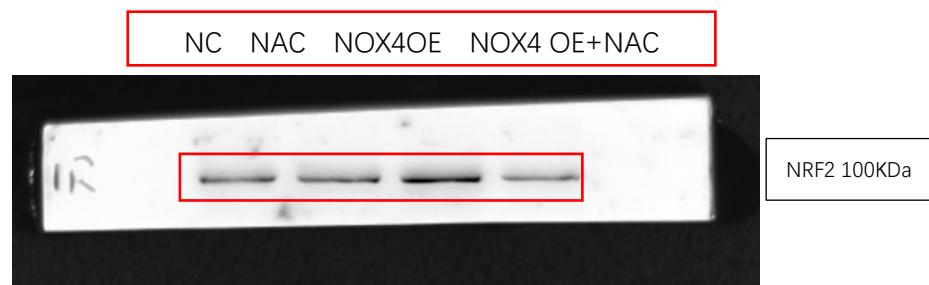


Fig 6H

