

Full blot images of samples in the Western blot study

Fig.1D

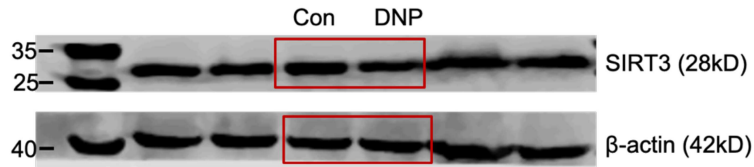


Fig.3A

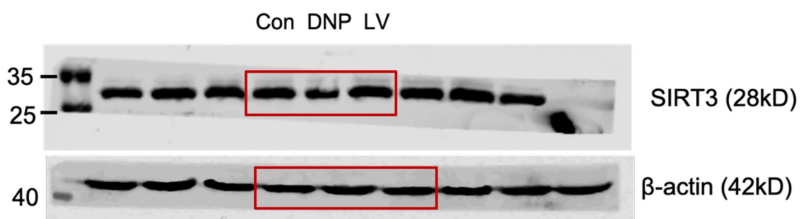


Fig.4A

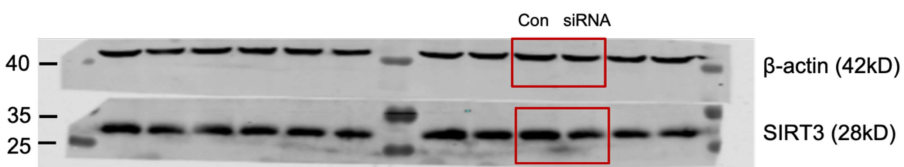


Fig.5A

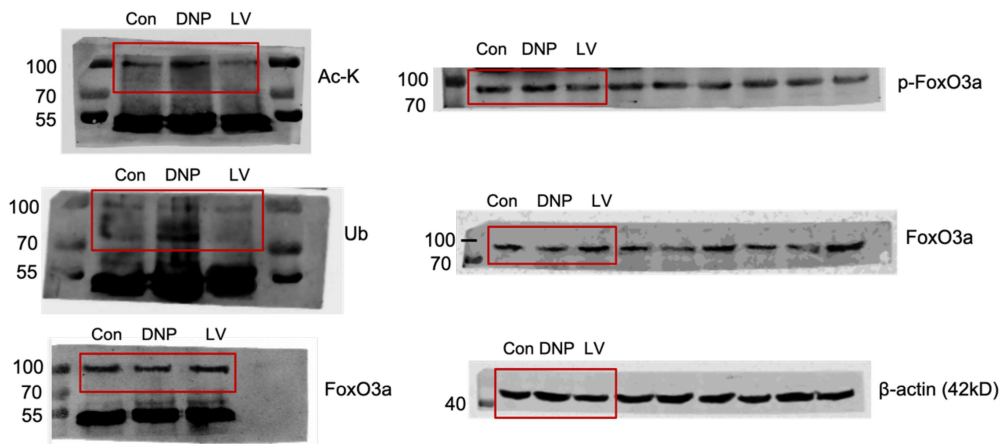


Fig.6A

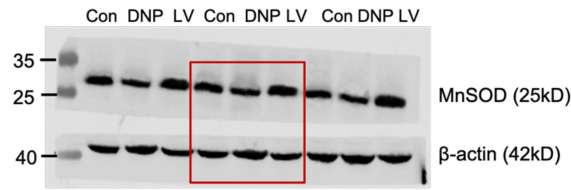


Fig.6C

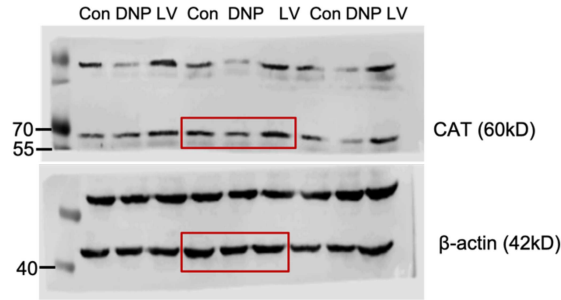


Fig.7A

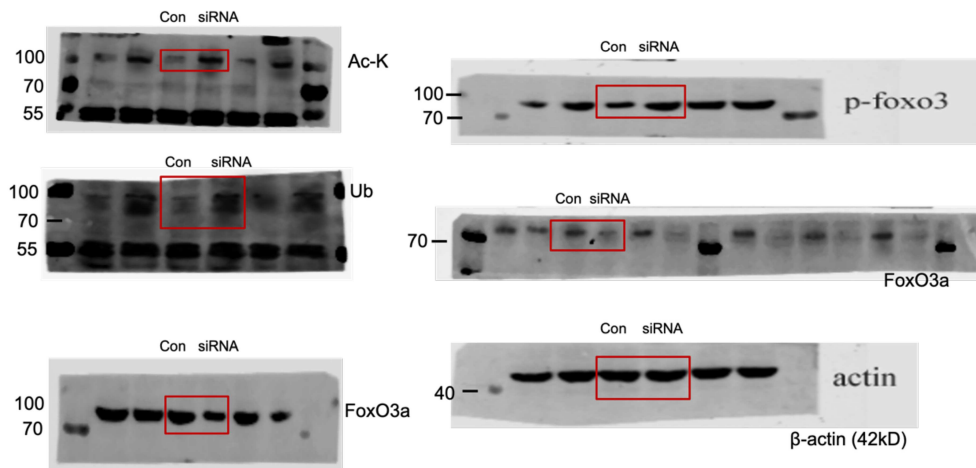


Fig.8A

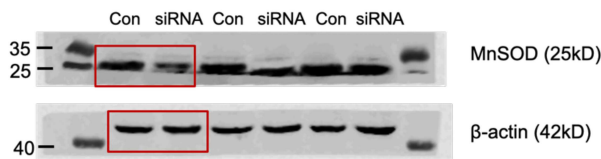
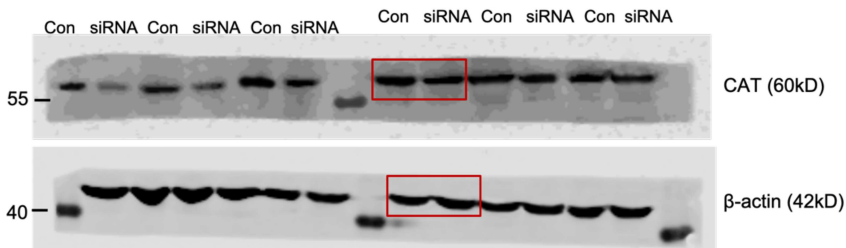
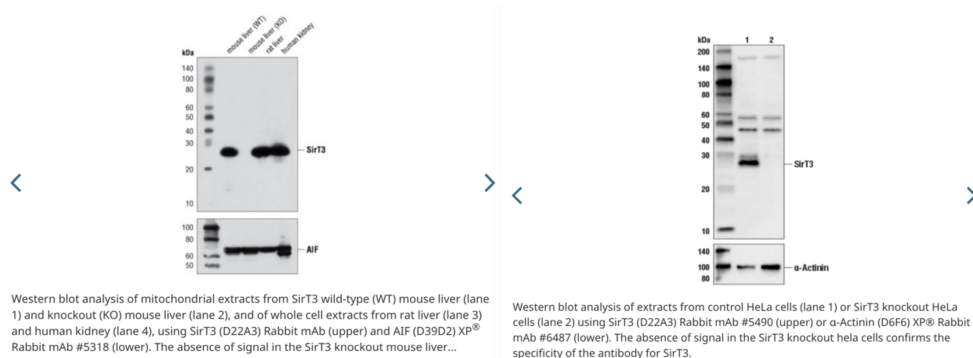


Fig.8C

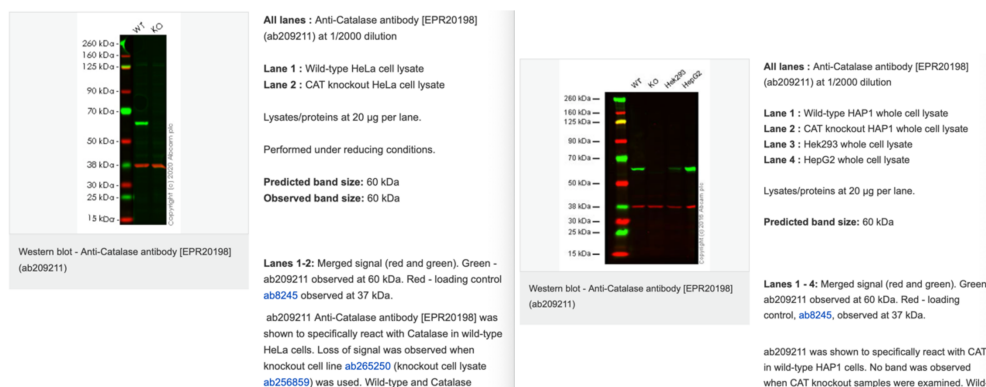


Evidence demonstrating the specificity of antibody used in Western blot

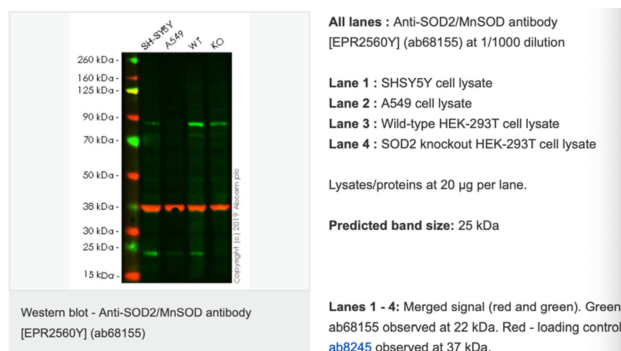
(1) The specificity of anti-SIRT3 antibody (CST, 5490) was validated by the company. Please refer to the manufacturer's description: <https://www.cst-c.com.cn/products/primary-antibodies/sirt3-d22a3-rabbit-mab/5490>



(2) The specificity of anti-Catalase antibody (Abcam, ab209211) was validated by the company. Please refer to the manufacturer's description: <https://www.abcam.cn/catalase-antibody-epr20198-ab209211.html>



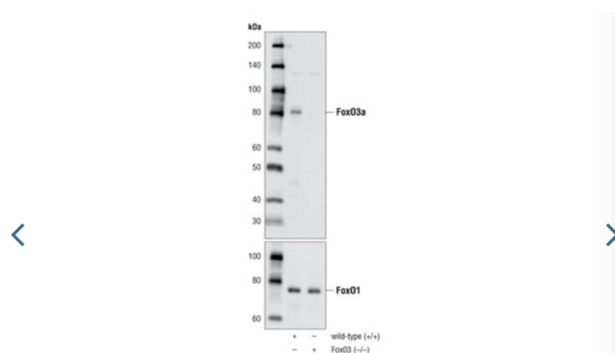
(3) The specificity of anti-SOD2/MnSOD antibody (Abcam, ab68155) was validated by the company. Please refer to the manufacturer's description: <https://www.abcam.cn/sod2mnsod-antibody-epr2560y-ab68155.html>



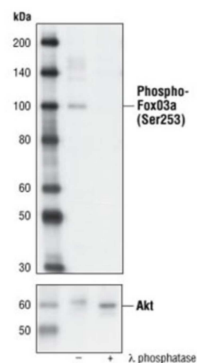
(4) The specificity of anti-acetylated lysine antibody (CST, 9441) was validated by the company. Please refer to the manufacturer's description: <https://www.cst.com.cn/products/primary-antibodies/acetylated-lysine-antibody/9441>



(5) The specificity of anti-FoxO3a antibody (CST, 2497) was validated by the company. Please refer to the manufacturer's description: <https://www.cst.com.cn/products/primary-antibodies/foxo3a-75d8-rabbit-mab/2497>



(6) The specificity of anti-phospho-FoxO3a antibody (CST, 9466) was validated by the company. Please refer to the manufacturer's description: <https://www.cst.com.cn/products/primary-antibodies/phospho-foxo3a-ser253-antibody/9466>



Western blot analysis of extracts from PC3 cells, untreated or treated with lambda phosphatase, using Phospho-FoxO3a (Ser253) Antibody (upper) or Akt Antibody #9272 (lower).

(7) The specificity of anti-ubiquitin antibody (Abcam, ab7780) was validated by the company. Please refer to the manufacturer's description: <https://www.abcam.com/ubiquitin-antibody-ab7780.html>

