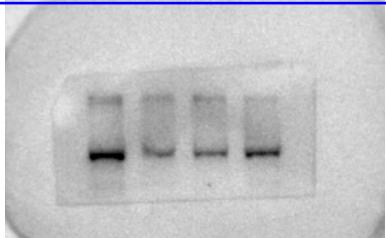
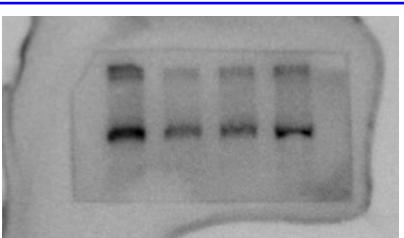
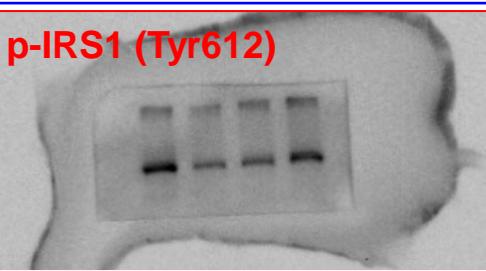


# **Artichoke (*Cynara scolymus L.*) water extract alleviates palmitate-induced insulin resistance in HepG2 hepatocytes via the activation of IRS1/PI3K/AKT/FoxO1 and GSK-3 $\beta$ signaling pathway**

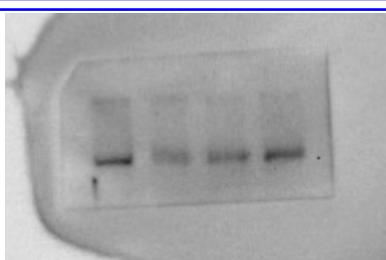
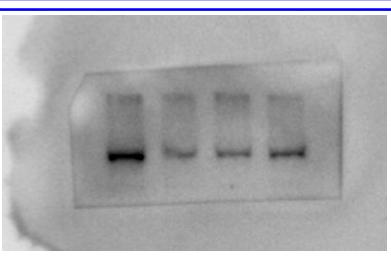
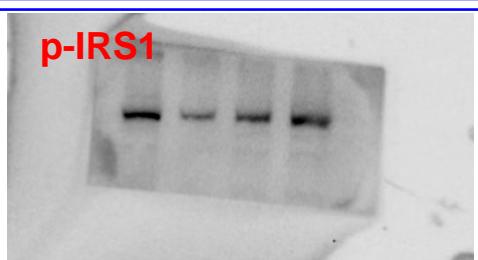
Aihua Deng<sup>1</sup>, Yun Wang<sup>1</sup>, Kerui Huang<sup>1</sup>, Peng Xie<sup>1</sup>, Ping Mo<sup>1</sup>, Fengying Liu<sup>1</sup>, Jun Chen<sup>2</sup>, Kaiyi Chen<sup>2</sup>, Yun Wang<sup>3\*</sup>, Bing Xiao<sup>4\*</sup>

**Figure 3A**

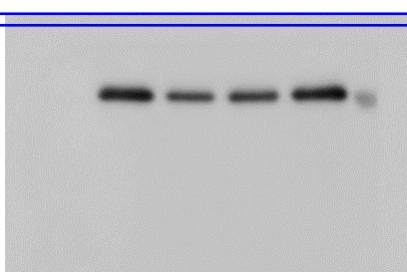
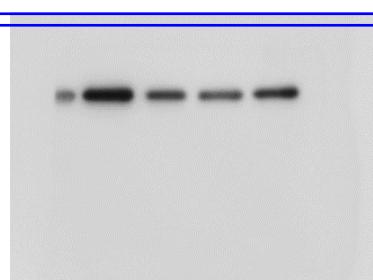
p-IRS1 (Tyr612)



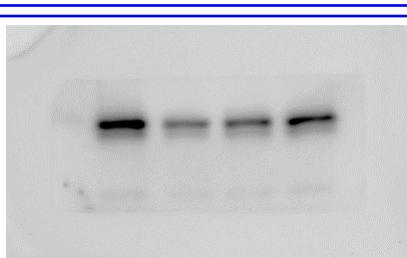
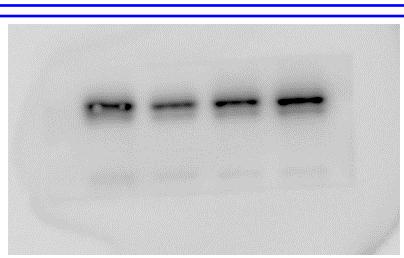
p-IRS1



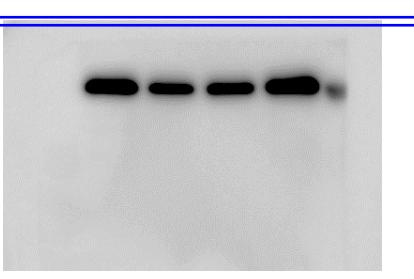
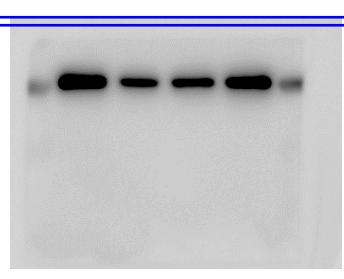
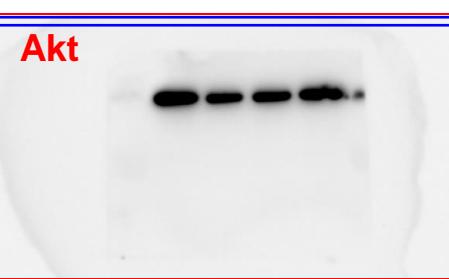
PI3K p100 $\alpha$



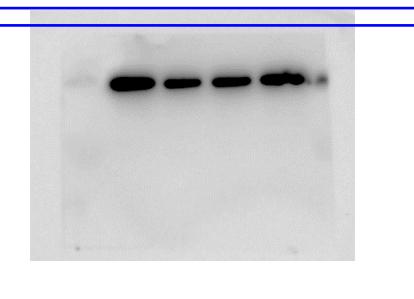
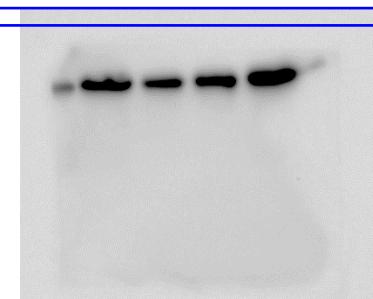
p-Akt (Ser473)



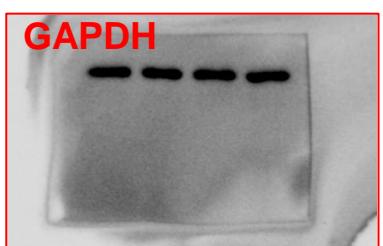
Akt



GLUT2



GAPDH



Images with the red boxes represent the representative Western blot image.

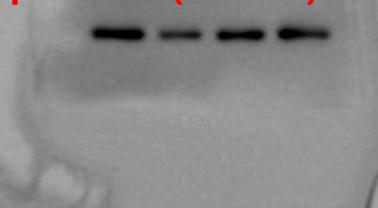
Images included in the blue boxes indicate the replicates.

**Figure 4A**

FoxO1



p-FoxO1 (Ser256)



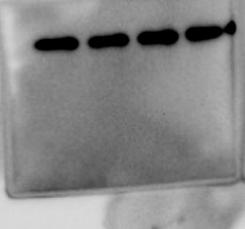
PEPCK



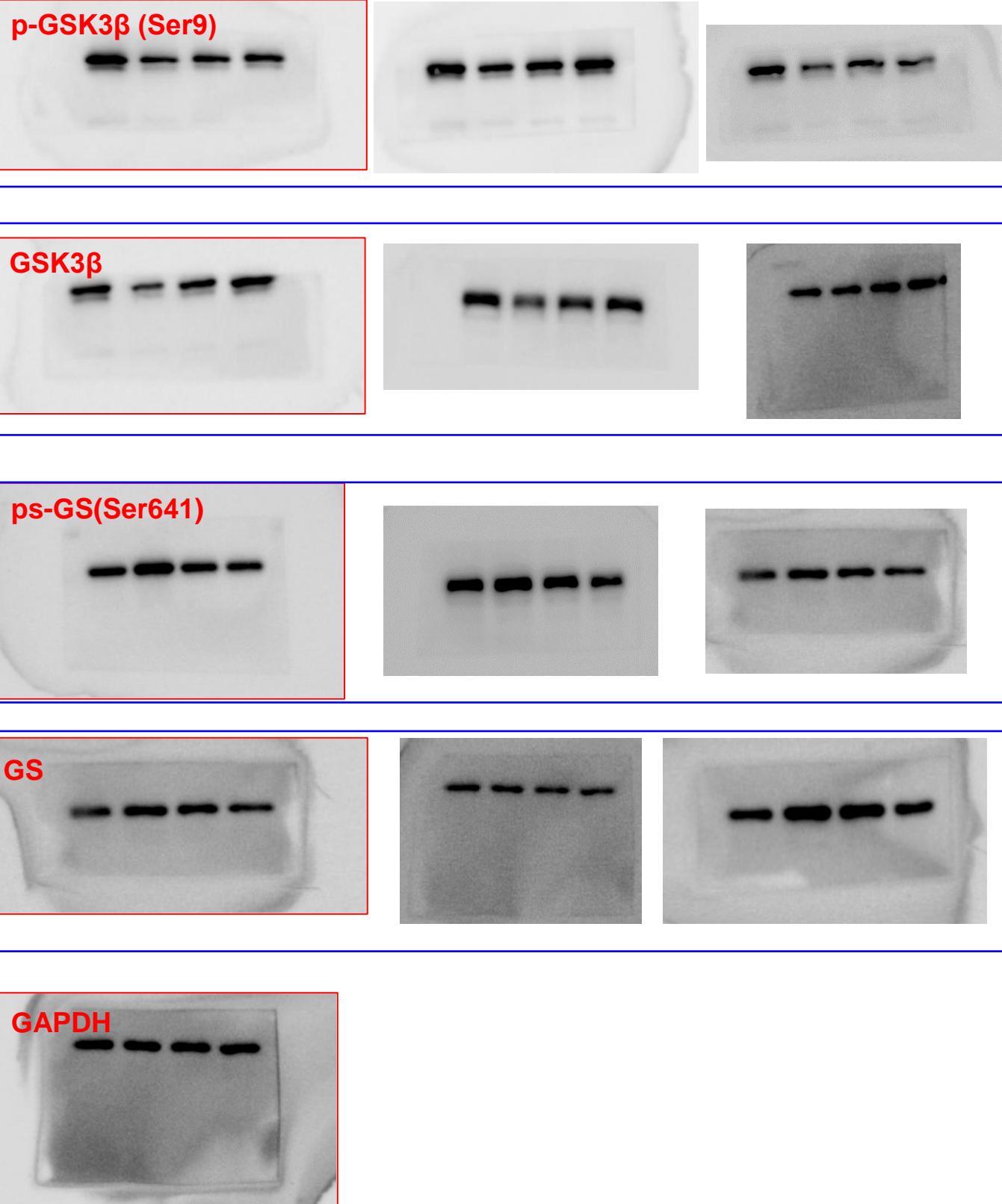
G6Pase



GAPDH

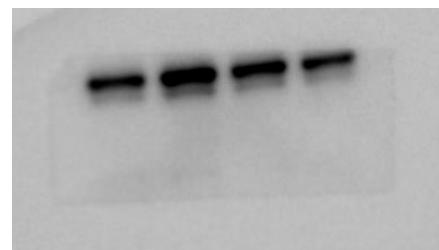
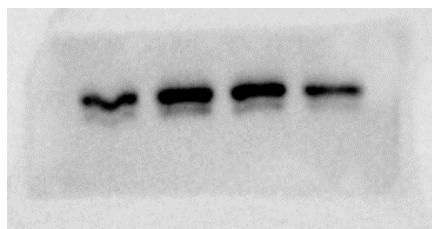


## Figure 5A

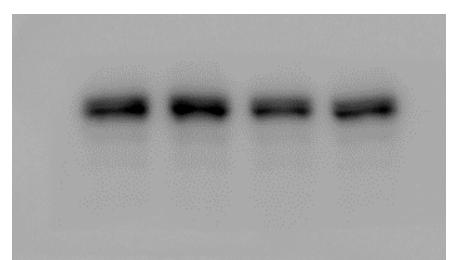
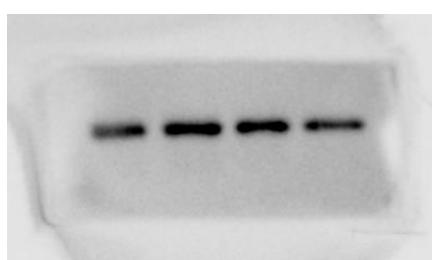


**Figure 6A**

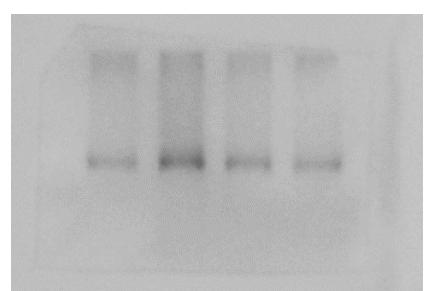
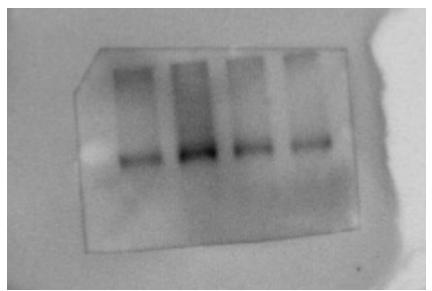
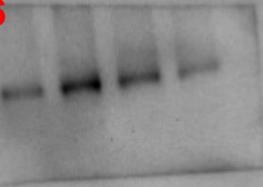
**GRP78**



**CHOP**



**ATF6**



**GAPDH**

