

Additional file.1 Blot images

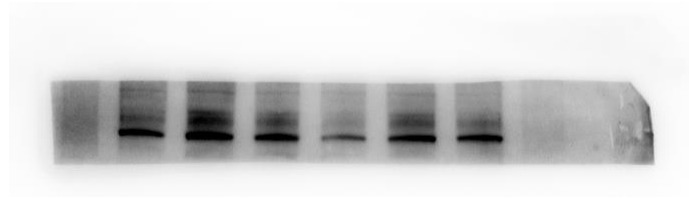


Figure.2B PERK

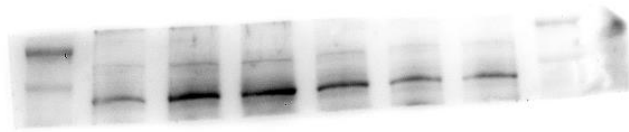


Figure.2B p-PERK

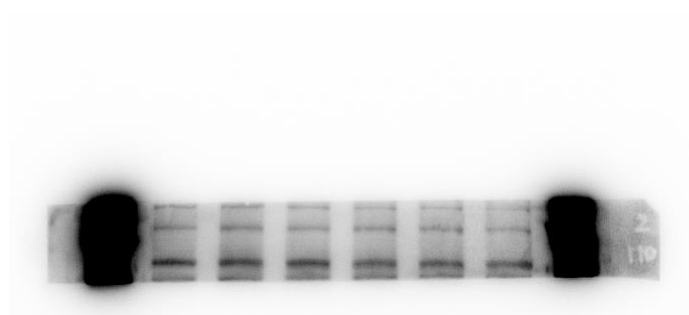


Figure.2B IRE-1 α

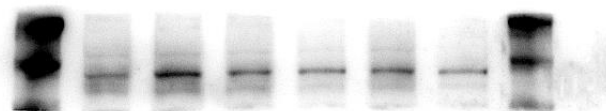


Figure.2B p-IRE-1 α

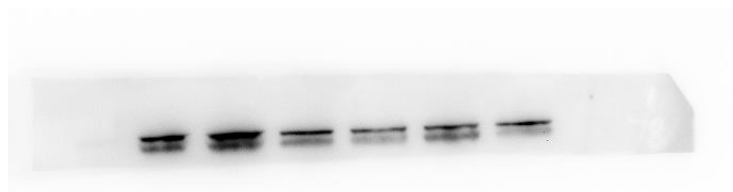


Figure.2B GRP78

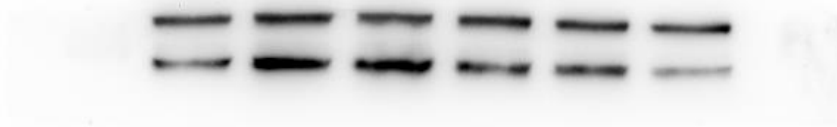


Figure.2B ATF6

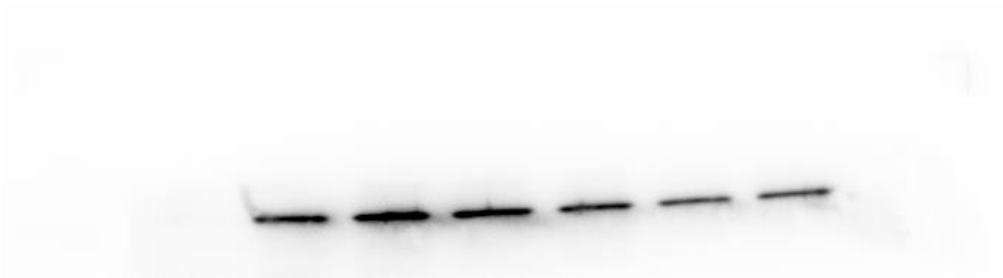


Figure.2B ATF4

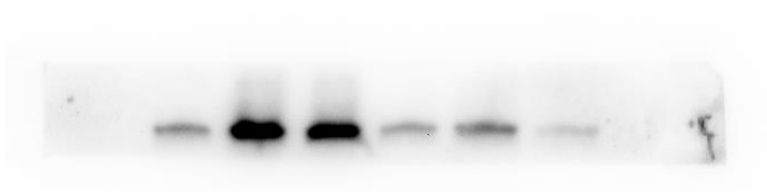


Figure.2B CASPASE12



Figure.2B CHOP

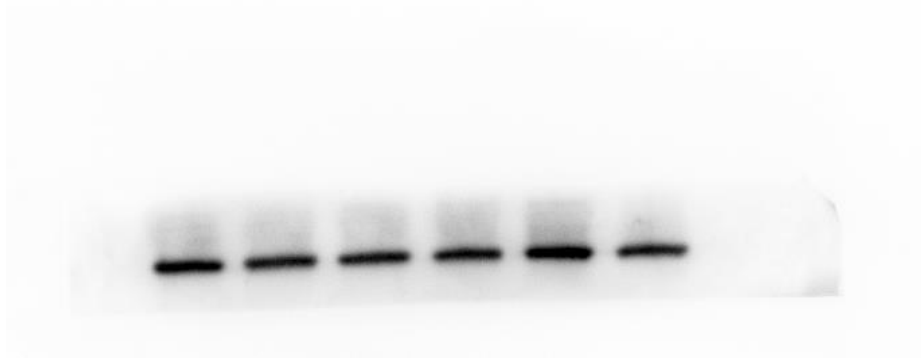


Figure.2B GAPDH

Fig.2 HQT-medicated serum protects against FFA-induced L02 hepatocyte from ERS. (B): The expression levels of PERK, p-PERK, IRE-1 α , p-IRE-1 α , GRP78, ATF6, ATF4, CASPASE12, CHOP protein

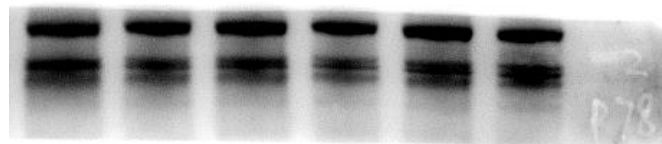


Figure.3A PKC- δ

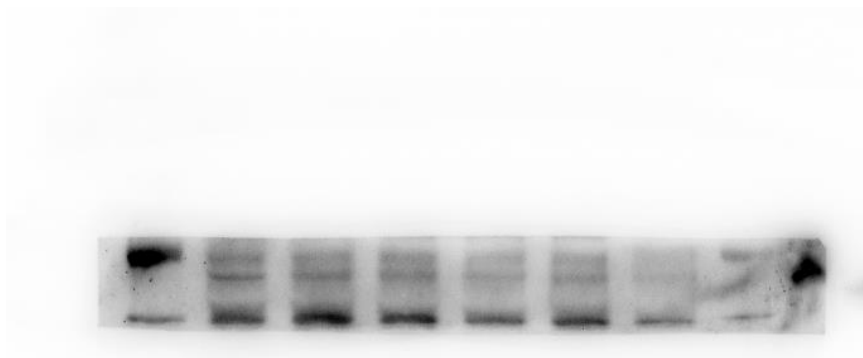


Figure.3 Ap-PKC- δ



Figure.3A GAPDH

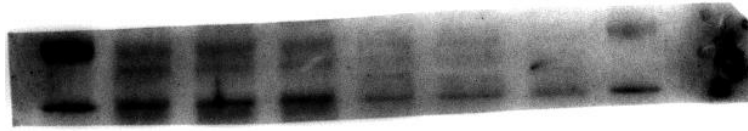


Figure.3C PKC- δ

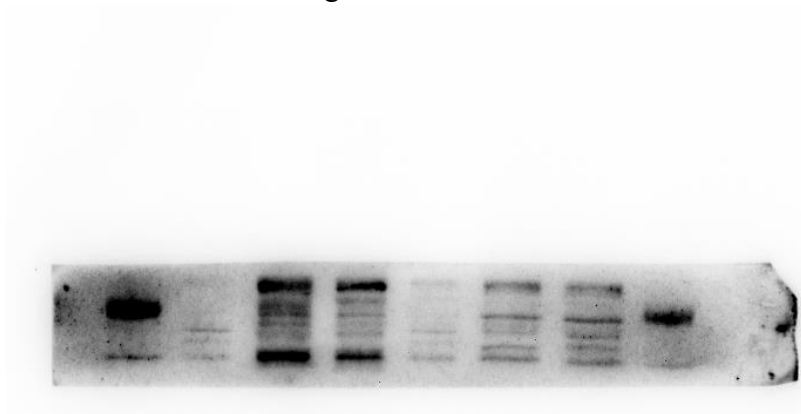


Figure.3C p-PKC- δ

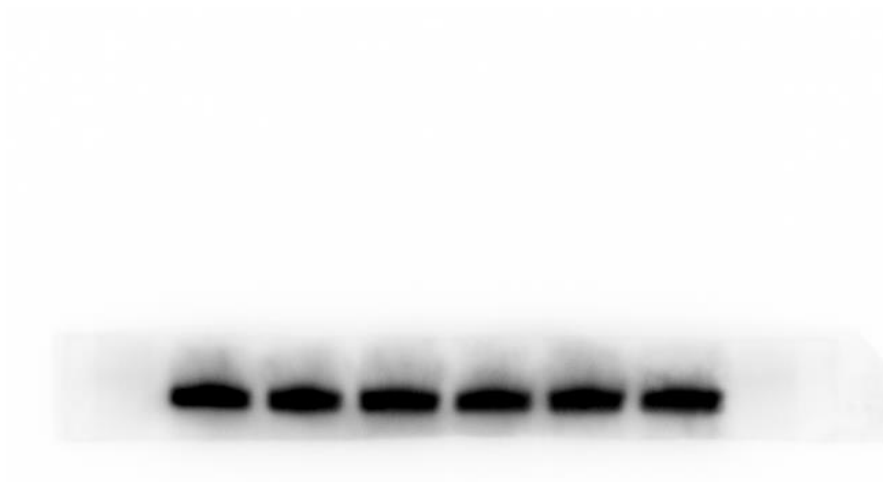


Figure.3C GDPDH

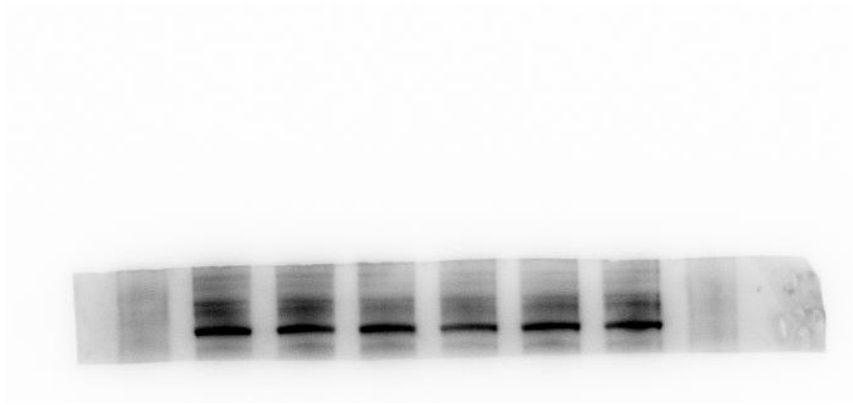


Figure.3E PERK

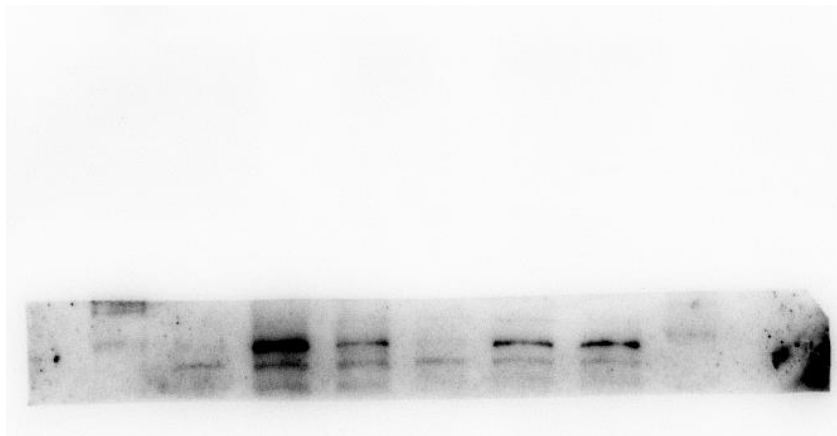


Figure.3E p-PERK

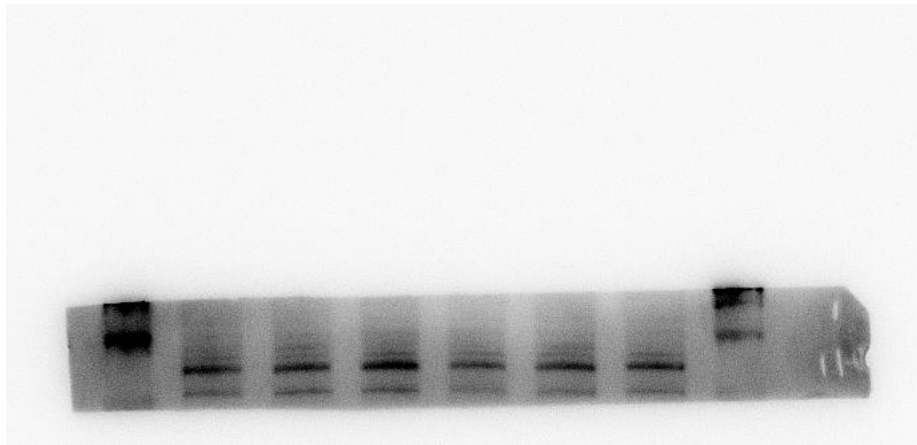


Figure.3E IRE-1 α

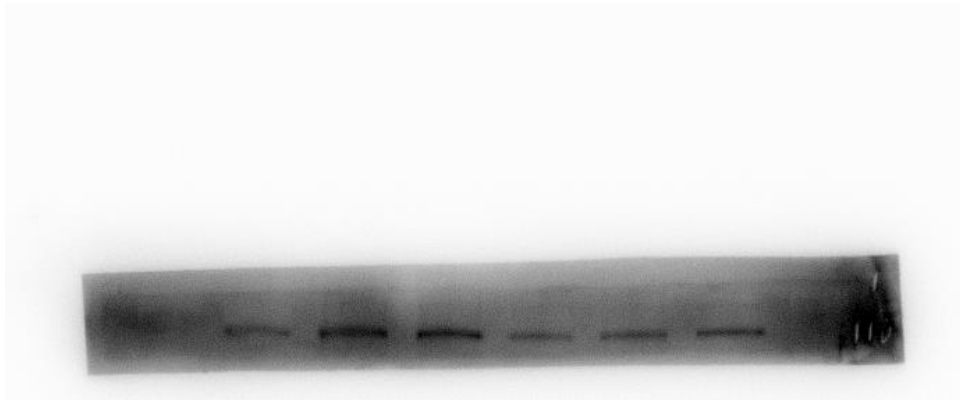


Figure.3E p-IRE-1 α

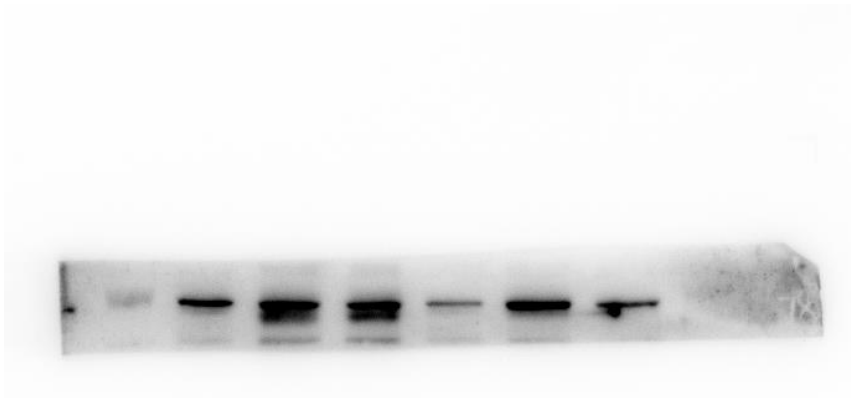


Figure.3E GRP78



Figure.3E ATF6

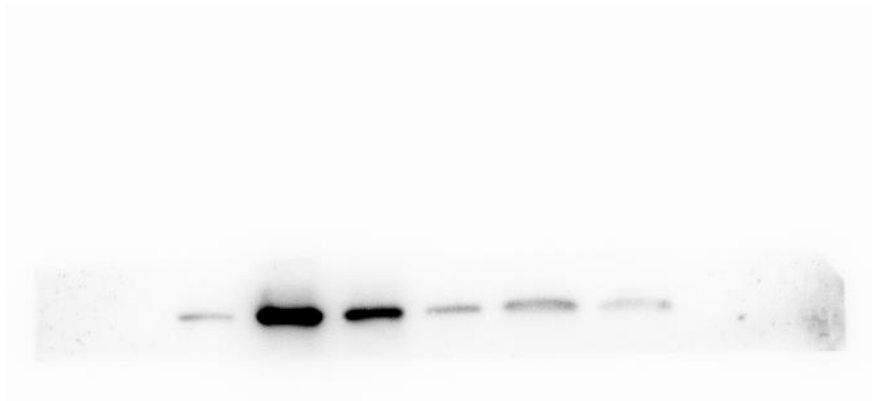


Figure.3E ATF4

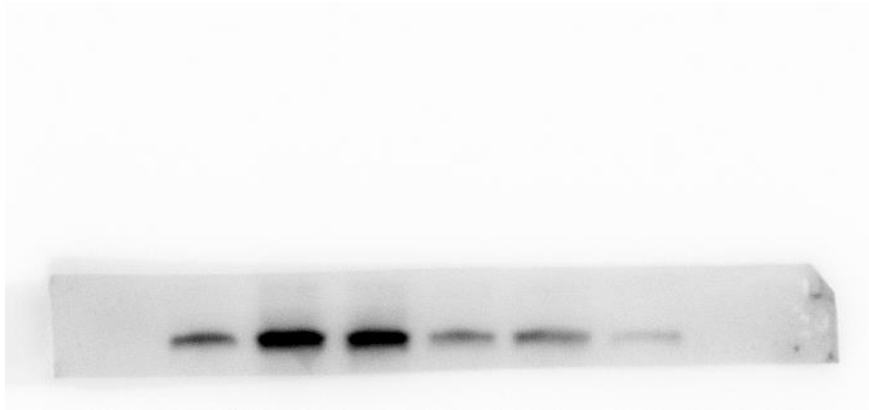


Figure.3E CASPASE12

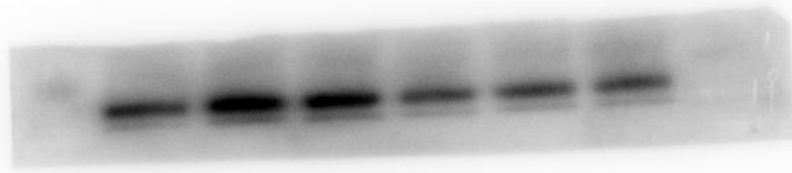


Figure.3E CHOP

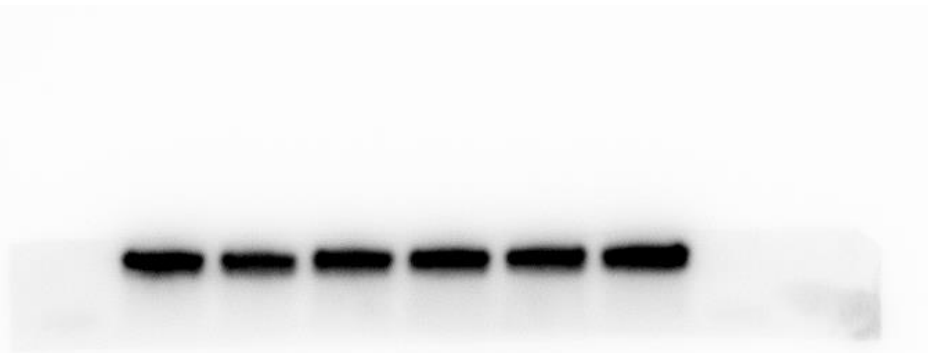


Figure.3E GAPDH

Fig.3 PKC- δ silencing ameliorates FFA-induced L02 hepatocyte ERS. (E): Effects of HQT-medicated serum on the expression levels of p-PERK, p-IRE-1 α , GRP78, ATF6, ATF4, CASPASE12, CHOP protein in FFA-stimulated L02 hepatocytes with or without transfection of PKC- δ siRNA.

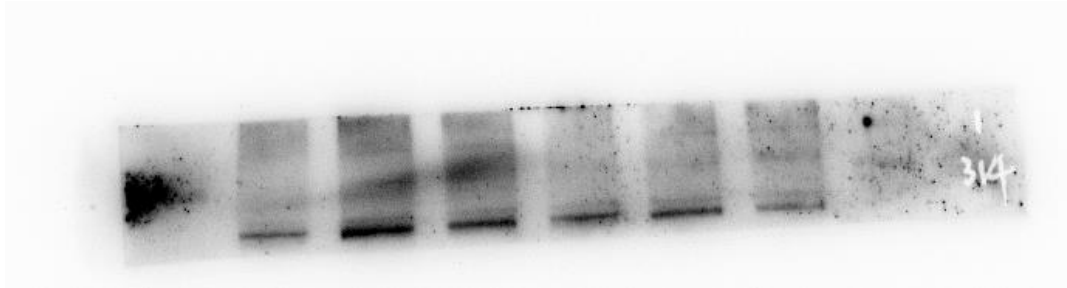


Figure.4C IP3R

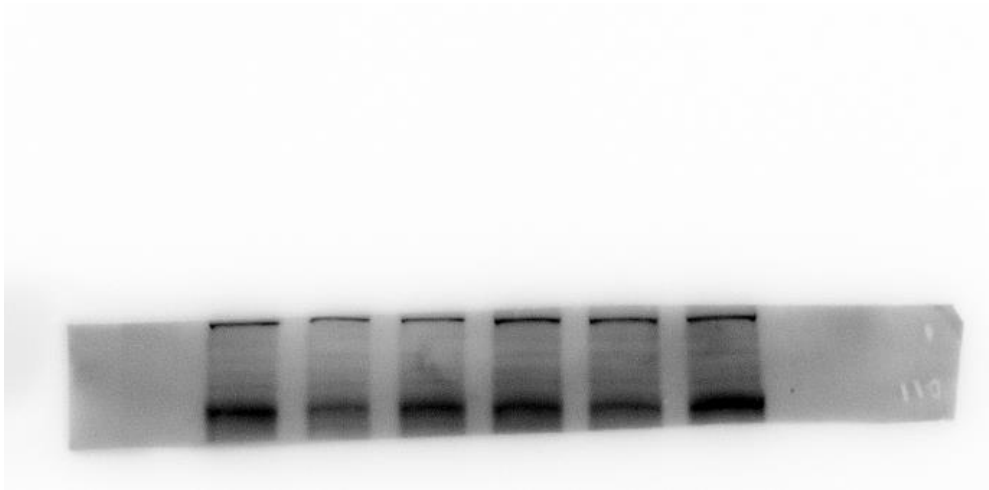


Figure.4C SERCA2

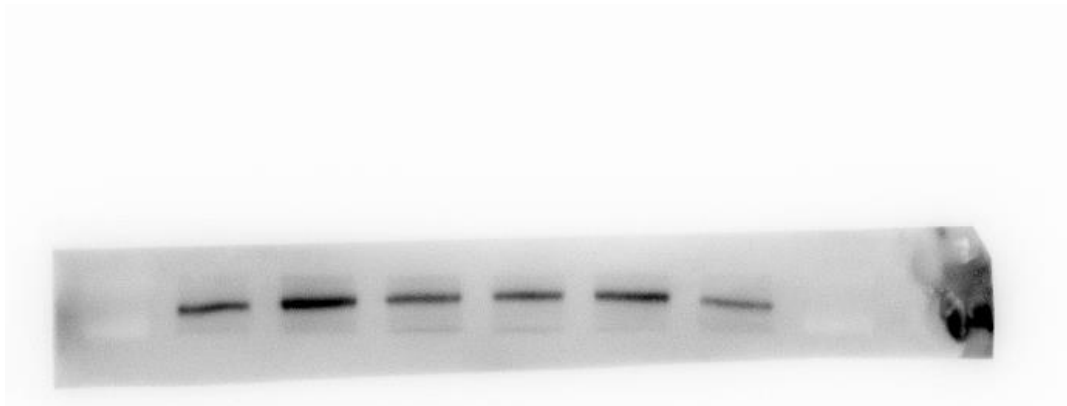


Figure.4C CANX

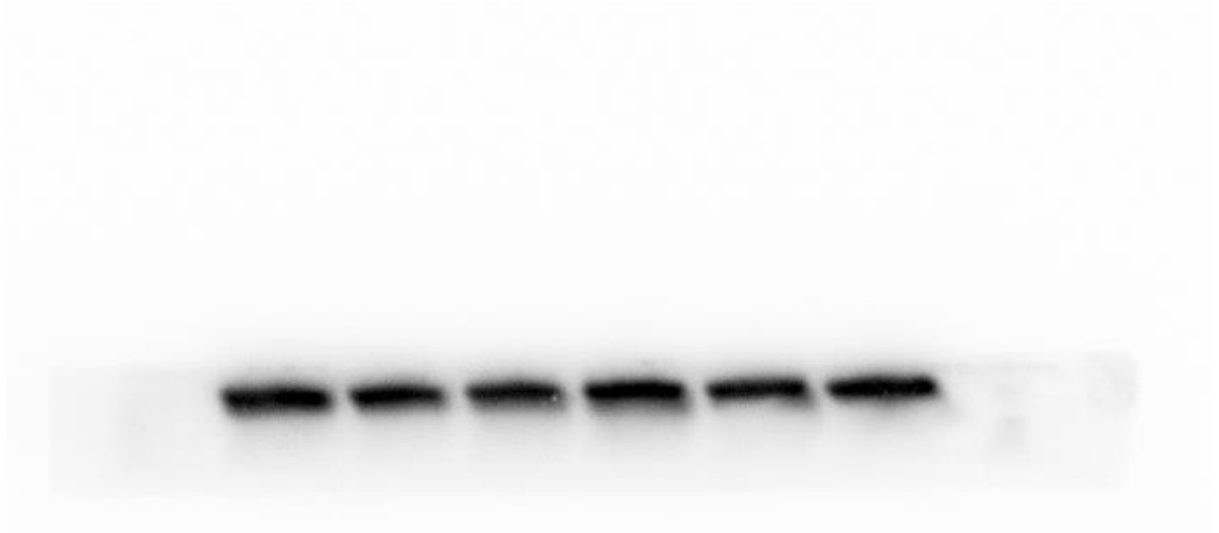


Figure.4C GAPDH

Fig.4 PKC- δ silencing recovers Calcium homeostasis in ER. (C): The expression levels of SERCA2, CANX, and IP3R protein in L02 cells with or without transfection of PKC- δ siRNA.

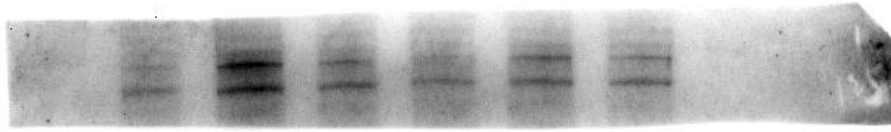


Figure.5D SREBP1C

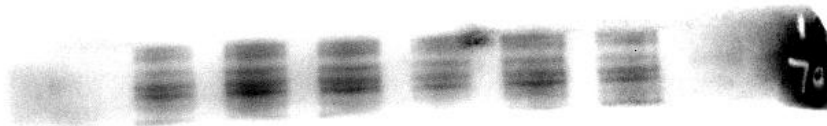


Figure.5D FOXO1

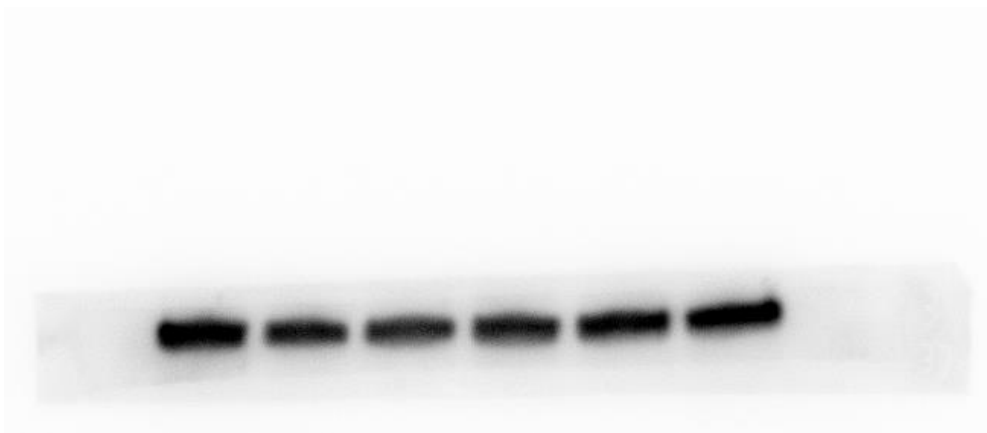


Figure.5D GAPDH

Fig.5 PKC- δ silencing inhibits FFA-induced L02 hepatocyte steatosis. (D): The expression levels of SREBP-1C and FOXO1 protein in L02 cells with or without transfection of PKC- δ siRNA.

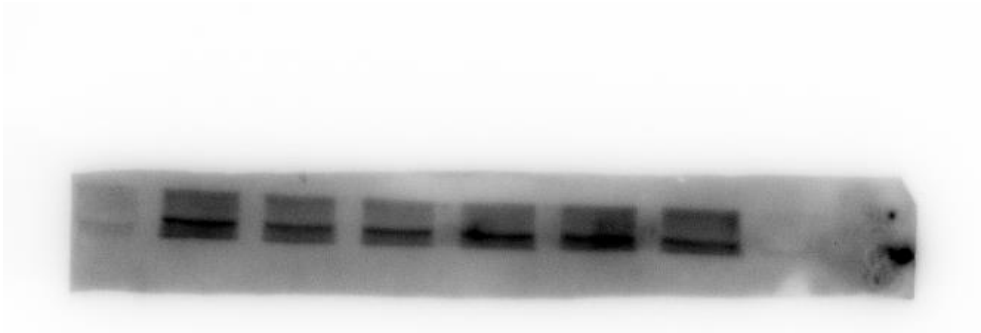


Figure.6F PI3K-p85

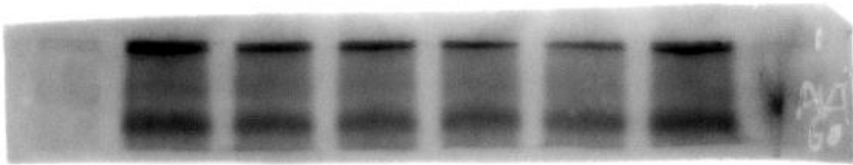


Figure.6F AKT

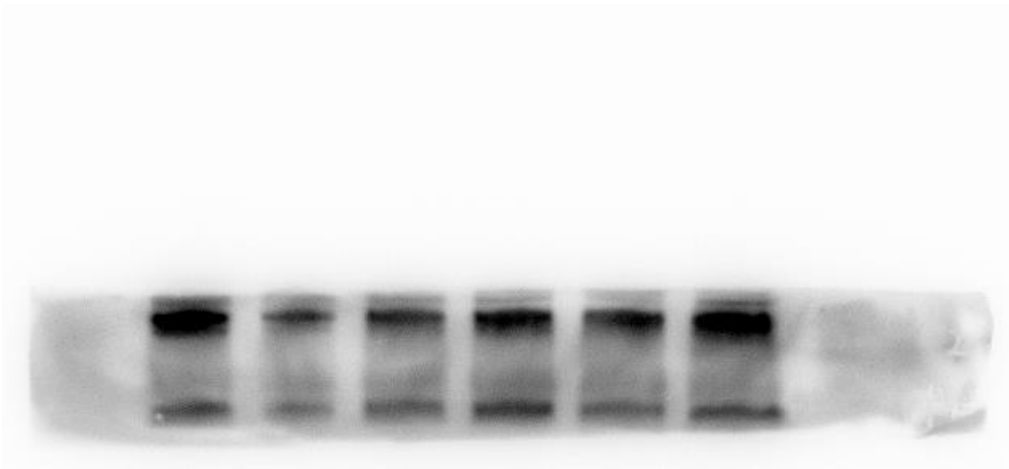


Figure.6F p-AKT

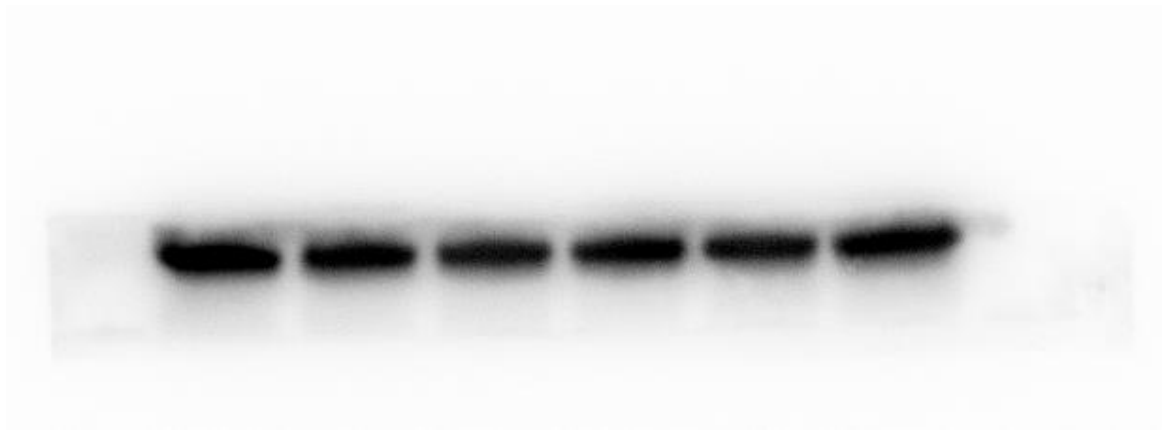


Figure.6F GAPDH

Fig.6 PKC- δ silencing improves insulin resistance in FFA-induced L02 hepatocyte.
(F) The expression levels of PI3K-p85, AKT, and p-AKT protein in L02 cells with or without transfection of PKC- δ siRNA.

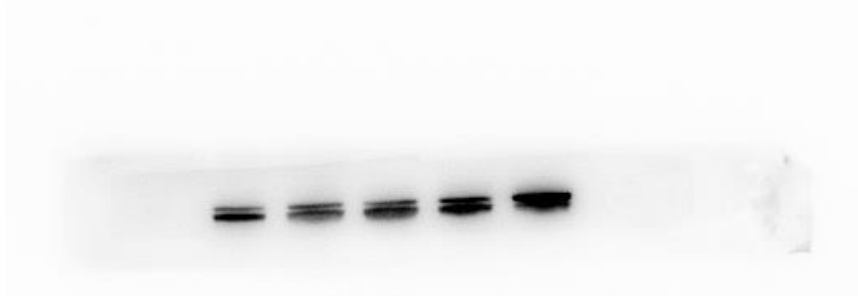


Figure.7E GRP78

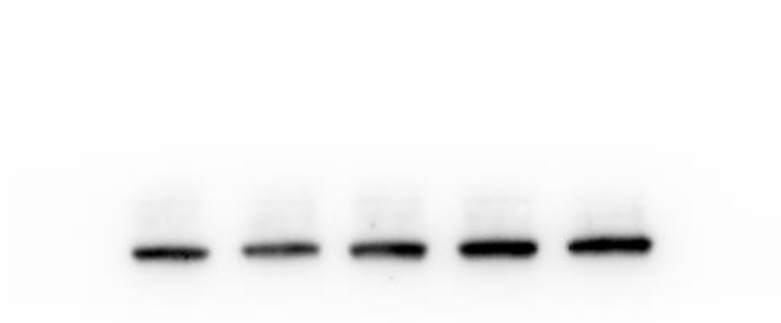


Figure.7E CASPASE12

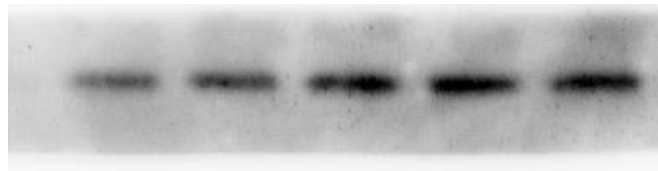


Figure.7E CHOP

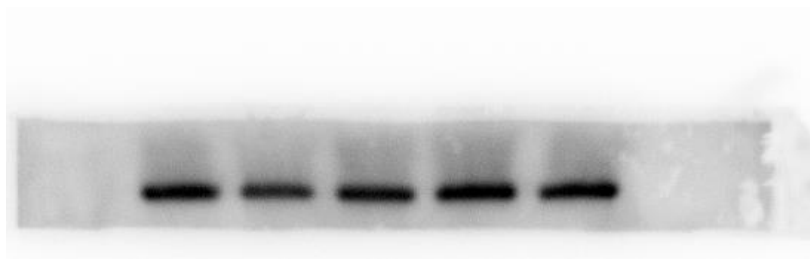


Figure.7E GAPDH

Figure.7 Concentration and time of Free Fatty Acid induced ER Stress in L02 hepatocyte. (E): The expression of GRP78, CHOP, and CASPASE12 protein in L02 cells treated by 1mM FFA for different time (0, 6, 12, 24, 48h).