



Supplementary Figure 1 AITC inhibits hepatic lipogenesis, activates FA β -oxidation, and protects against insulin resistance in hepatocytes. AML-12 cells were treated with 20 $\mu\text{mol/L}$ allyl isothiocyanate (AITC) or vehicle for 24 h; A: Representative image of Oil Red O staining in the two groups of AML-12 cells; B: The mRNA levels of stearoyl coenzyme A desaturase 1 (SCD1) were determined ($n = 4/\text{group}$); C: The protein expressions of stearoyl coenzyme A desaturase 1 (SCD1), fatty acid synthase (FAS) and acetyl-CoA carboxylase 1 (ACC1) were detected *via* Western blotting; D: The mRNA levels of carnitine palmitoyl transferase 1 α (CPT1 α) and peroxisome proliferator-activated receptor alpha (PPAR α) were detected ($n = 4/\text{group}$); E: The protein expressions of CPT1 α and PPAR α were determined by Western blot analysis; F: The protein expression of phosphatidylinositol 3-kinase (PI3K) was detected *via* Western blotting. The scale bar in the panel represents 50 μm . Data are presented as the mean \pm SD. ^b $P < 0.01$. ^c $P < 0.001$ between groups.