



Figure S1. 1 OTUD3 knockdown-induced ER stress was not depend on ATF6 α and PERK pathway (a-d) Western blotting and statistical analysis of the expression of ATF6 α -N in OTUD3^{-/-} mice and OTUD3 knockdown cells, n=5. (e-h) Immunoblotting and statistical analysis of the expression of ATF6 α -N proteins in OTUD3^{-/-} mice (n=5) and OTUD3 knockdown cells (n=3) after TUDCA treatment, respectively. (i-l) Immunoblotting and statistical analysis of the expression of PERK pathway associated proteins in OTUD3^{-/-} mice and OTUD3 knockdown cells, n=5. (m-p) Western blotting and statistical analysis of the expression of PERK pathway associated proteins in OTUD3^{-/-} mice (n=5) and OTUD3 knockdown cells (n=3) after TUDCA treatment. Data were mean \pm SEM, t- test, * P <0.05, ** P <0.01.