

Supplementary Data

for

Ursolic acid inhibits the development of nonalcoholic fatty liver disease by attenuating endoplasmic reticulum stress

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Table S1. Sequences of primers used in the present study

Primers	Sequences (5'- 3')
<i>RNA18S5</i> (Human)	TTAAGAGGGACGGCCGGGGG GCCGGG TGAGGTTTCCCGTG
<i>IRE1a</i> (Human)	TCTGCAGGCTGCGTCTTTTA TTCTCATGGCTCGGAGGAGA
<i>ATF6</i> (Human)	AGTGTGAGCCCTGCAAATCA AGCTCACTCCCTGAGTTCCT
<i>CHOP</i> (Human)	TTGCCTTTTCTCCTTCGGGAC CAGTCAGCCAAGCCAGAGAA
<i>Actb</i> (Mouse)	GCTCTTTTCCAGCCTTCCTT CGGATGTCAACGTCACACTT
<i>Ppara</i> (Mouse)	TGACGTTTGTGGCTGGTCAA CAGTGGGGAGAGAGGACAGA
<i>Cpt1a</i> (Mouse)	GTCCTGCAACTTTGTGCTGG CAGGTGCTGGTGCTTTTCAC
<i>Cpt2</i> (Mouse)	CCGAGGCATTTGTCAGGGAG AAGTGTCGGTCAAAGCCCTG
<i>Acadl</i> (Mouse)	GTCCGATTGCCAGCTAATGC AGGCAGAAATCGCCA ACTCA
<i>Acadm</i> (Mouse)	GAAGCCACGAAGTATGCCCT CCTTCATCGCCATTTCTGCG
<i>Acaa1a</i> (Mouse)	TGCTGGAGAGTGAGAAAGCC TCTGCCGTGAAATGCCAAC

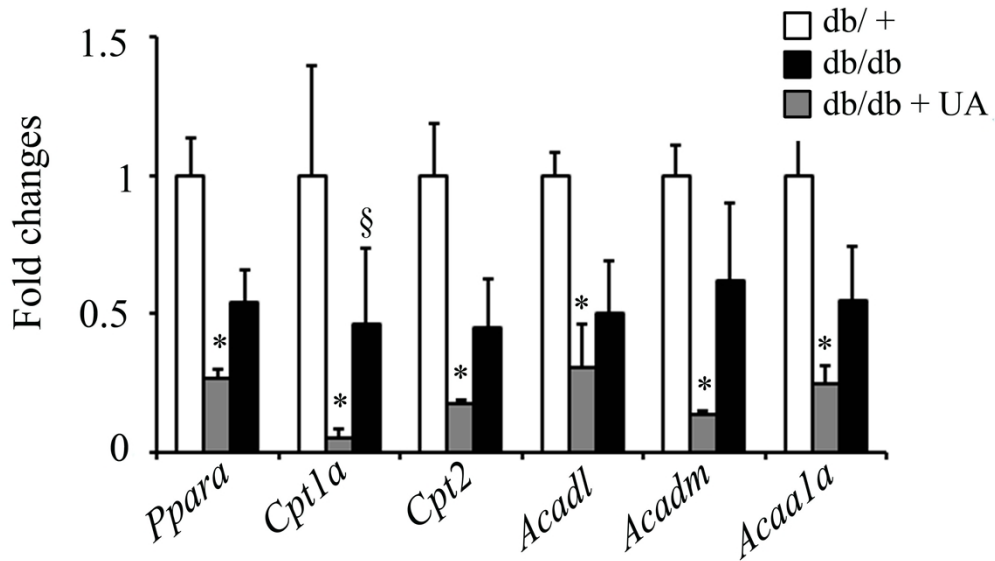


Figure S1

Figure S1. UA treatment normalized *Cpt1a* level in the livers of db/db mice. qPCR analysis of *Ppara*, *Cpt1a*, *Cpt2*, *Acadl*, *Acadm* and *Acaala* in the livers of db/db mice (n=2-4 in each group). * $p < 0.05$ compared to db/+ mice; § $p < 0.05$ compared to db/db mice. Error bars represent SEM (standard error of the mean).

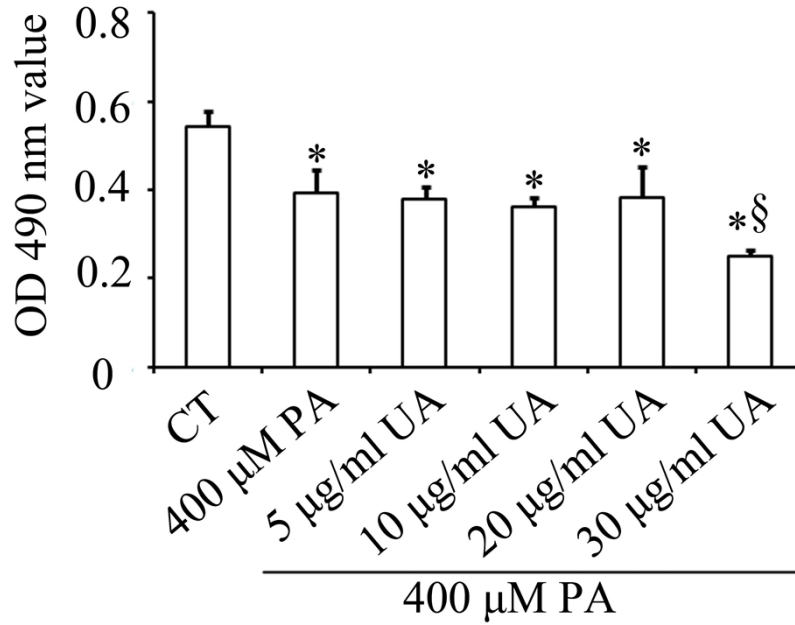


Figure S2

Figure S2. Effect of UA on the live cell number in cultured hepatocytes. MTT results of L02 cells cultured under PA treatment with or without of different concentrations of UA. * $p < 0.05$ compared to the control treatment; § $p < 0.05$ compared to 400 μ M palmitic acid (PA) treatment.