

Supplementary Materials: Modulation of the Unfolded Protein Response by Tauroursodeoxycholic Acid Counteracts Apoptotic Cell Death and Fibrosis in a Mouse Model for Secondary Biliary Liver Fibrosis

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Table S1. Primers used for quantitative polymerase chain reaction (qPCR) experiments. The PCR-efficiency of each primer pair was calculated using a standard curve of reference cDNA. Amplification efficiency was determined using the formula $(10^{-1/\text{slope}} - 1) \times 100$.

Gene	Forward Primer 5'-3'	Reverse Primer 3'-5'	Efficiency	R ²
<i>Gapdh</i>	CATGGCCITCCGTGTTCCCTA	GCGGCACGTCAGATCCA	87.5	0.99
<i>Hmbs</i>	AAGGGCTTTTCTGAGGCACC	AGTTGCCCATCTTTCATCACTG	100.9	0.99
<i>Hprt</i>	GTTAAGCAGTACAGCCCCAAA	AGGGCATATCCAACAACAACTT	74.8	0.98
<i>Sdha</i>	CTTGAATGAGGCTGACTGTG	ATCACATAAGCTGGTCCTGT	94.3	0.99
<i>Caspase 1</i>	AATACAACCACTCGTACACGTC	AGTCCAACCCTCGGAGAAA	99	0.99
<i>Caspase 3</i>	GCACTGGAATGTCATCTCGCT	GGCCCATGAATGTCTCTCTGAG	105	0.99
<i>Caspase 12</i>	AGACAGAGTTAATGCAGTTTGCT	TTCACCCACAGATTCCTCC	98	0.98
<i>Fadd</i>	TGTTCTCCCCAAACACACAA	CTGATGGGAGGGATTCTGA	115	0.99
<i>Il1b</i>	CAACCAACAAGTGATATTCTCCATG	GATCCACACTCTCCAGCTGCA	105	0.99
<i>Tnfa</i>	CATCTTCTCAAATTCGAGTGACAA	TGGGAGTAGACAAGGTACAACCC	92.7	0.99
<i>Tnfrsf1a</i>	CCACGCACTGGAAGTGTGT	CGGTGTGTGGCTGTAAGGAG	92	0.99

Table S2. Antibodies used for Western blotting experiments. The specificity, isotype, catalog number and dilution factor of the antibodies are indicated.

Antigen	Antibody Isotype, Clone	Company	Cat No.	Dilution
ATF4	Rabbit polyclonal IgG	Santa Cruz	sc-200	1/500
CHOP	Mouse monoclonal IgG2a, L63F7	Cell Signaling	2895	1/1000
eIF2 α	Rabbit polyclonal IgG	Cell Signaling	9721	1/1000
P-eIF2 α	Rabbit monoclonal IgG, 119A11	Cell Signaling	3597	1/1000
GADD34	Rabbit polyclonal IgG, H193	Santa Cruz	sc-8327	1/500
Cleaved Caspase 3	Rabbit polyclonal IgG	Cell Signaling	9661	1/1000
Caspase 12	Rabbit polyclonal IgG	Cell Signaling	2202	1/1000
β -tubulin	Rabbit polyclonal IgG	Abcam	ab6046	1/500
GAPDH	Rabbit polyclonal IgG	Abcam	ab9485	1/2500
NLRP3	Mouse Monoclonal IgG2b	Adipogen	AG-20B-0014-C100	1/3000