Supplementary data

Glutathione peroxidase 8 suppression by histone deacetylase inhibitors enhances endoplasmic reticulum stress and cell death by oxidative stress in hepatocellular carcinoma cells

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Running title: HDACi facilitate ER stress by oxidative stress

Conflicts of interest: The authors declare no potential conflicts of interest

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Table S1. Primer sequences for qPCR

Gene (Accession NO.)	Sequence (5' to 3')	Tm (°C)	Amplicon size (bp)
	Human		
Atf3 (CR450334)	F: GTGCCGAAACAAGAAGAAGG R: TGGAGTCCTCCCATTCTGAG	60	184
Atf4 (CU012942)	F: AGATGACCTGGAAACCATGC R: CCTGGTCGGGTTTTGTTAAA	60	155
Chac1 (NM001142776)	F: TTCTCAGTCCCTGCCTGTCT R: CTGGTCAAGTTCCAGGATGG	60	165
Ddit3 (Chop) (AY880949)	F: GCGCATGAAGGAGAAAGAAC R: CCAATTGTTCATGCTTGGTG	60	165
eif2a (BC011885)	F: TTCTAAACCGGTGGCTTCTG R: ATTCTGCATTTGATGGCACA	60	167
Eikak3 (Perk) (BC126354)	F: ACATTCAAATGCAGCTGTGC R: ATGTTGGATGGCTTGAGGTC	60	175
Gpx8 (BC029424)	F: GCCTTTGAAGTGAAGGATGC R: AAAAGCCAACACGCTGAAGT	60	174
	Rat		
Gpx8 (NM_001106411)	F: GGAAGGATGGTGTCTCTGGA R: AAACTGATTGCACGGGAAAG	60	165
Gapdh (NM_017008)	F: AAGGTCATCCCAGAGCTGAA R: GTCCTCAGTGTAGCCCAGGA	60	183

Table S2. Primer sequences for ChIP assay

	Primer set for ChIP (5' to 3')	Tm (℃)	Amplicon size (bp)
Atf3 (Positive)	F: TGAGGGCTATAAAAGGGGTGATGC R: GCGAGAGAAGAGAGCTGTGCAGTG	60	111
Atf3 (Negative)	F: CCGTTCCAAAGCGAAGAAGTAGGT R: CTGTATTCGTGCCCAGAATGCTAGA	60	86
Chop (Positive)	F: AAGAGGCTCACGACCGACTA R: ATGATGCAATGTTTGGCAAC	60	172
Chop (Negative)	F: CTGGCTCCTGTTGTTCTCTACC R: CTCACCTCTTAAGACCCGAATG	60	170
Chac1 (Positive)	F: TGGAGCTGAACCAATCAGCG R: GTGGGGCAAATCCCCTTTTG	60	96
Chac1 (Negative)	F: GCCAGGAGCAAGATCAGGTT R: CTCCCACCCTGACCAAAGTC	60	76