

Table SI. Primer sequences used for reverse transcription-quantitative PCR, TOP2A interference and TOP2A overexpression.

Gene name	Primer sequence (5'-3')
TOP2A	F: AAGTGTCCACCATTCGAGCCT R: TGTCTGGGCGGAGCAAATA
GAPDH	F: GATTCCACCCATGGCAAATTC R: CTGGAAGATGGTGATGGGATT
Negative control	F: GGAGAAGAUAAUACAUGUA R: UACAUGUAUAAUCUUCUCC
si-TOP2A-1	F: GGAGAAGAUAAUACAUGUA R: UACAUGUAUAAUCUUCUCC
si-TOP2A-2	F: GGUUCCAGAUGAAGAAGAA R: UUCUUCUUCAUCUGGAACC
si-TOP2A-3	F: CGAAAGCAGUCACAAGCAA R: UUGCUUGUGACUGCUUUCG
pcDNA3.1-MYLK	F: TACCGAGCTCGGATCCATGGGGGATGTGAAGCTGGTTGC R: GATATCTGCAGAATTCTCACTTCTTCTTCCCCTCCCCTTCAC

F, forward; R, reverse; si-, small interfering; TOP2A, DNA topoisomerase II alpha.

Table SII. Antibodies used in western blotting (dilution, cat. no. and supplier).

Gene	Manufacturer	Cat. no.	Dilution ratio
TOP2A	Affinity Biosciences, Inc.	AF5186	1:1,000
Glutathione peroxidase 4	Affinity Biosciences, Inc.	DF6701	1:1,000
Factor inhibiting hypoxia-inducible factor 1 alpha	Affinity Biosciences, Inc.	DF7354	1:1,000
COX2	Affinity Biosciences, Inc.	AF7003	1:1,000
acyl-CoA synthetase family member 4	Affinity Biosciences, Inc.	DF12141	1:1,000
NOX1	Affinity Biosciences, Inc.	DF8684	1:1,000
GAPDH	Affinity Biosciences, Inc.	AF7021	1:5,000
JAK2	Affinity Biosciences, Inc.	AF6022	1:1,000
p-JAK2	Affinity Biosciences, Inc.	AF3024	1:1,000
STAT3	Affinity Biosciences, Inc.	AF6294	1:1,000
p-STAT3	Affinity Biosciences, Inc.	AF3294	1:1,000
PTGS2	Abcam	ab255420	1:1,000
AGE	Abcam	ab23722	1:1,000
RAGE	Abcam	ab216329	1:1,000
Goat Anti-Rabbit IgG (H+L) HRP	Affinity Biosciences, Inc.	S0001	1:10,000
Goat Anti-Mouse IgG (H+L) HRP	Affinity Biosciences, Inc.	S0002	1:10,000

p-, phosphorylated.