

Supplementary Tables

Table S1 The primers for qRT-PCR assay.

Primer Name	Primer Sequence (5'-3')
GAPDH RT primer	random primer
GAPDH Reverse primer	AAATGAGCCCCAGCCTTC
GAPDH Forward primer	AATCCCATCACCATCTTCCAG
LINC00461 RT primer	random primer
LINC00461 Reverse primer	AATGTTTCCCACTCCTCACC
LINC00461 Forward primer	AGCCACTTTTCTCCTTTCCTC
COX-2 RT primer	random primer
COX-2 Reverse primer	TGTGTTTGGAGTGGGTTTCAG
COX-2 Forward primer	TGTATGAGTGTGGGATTTGACC
U6 RT primer	AACGCTTCACGAATTTGCGT
U6 Reverse primer	TGGTGTCGTGGAGTCG
U6 Forward primer	CTCGCTTCGGCAGCACA
miR-219-5p RT primer	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGA GACTAACAG
miR-219-5p Reverse primer	TGGTGTCGTGGAGTCG
miR-219-5p Forward primer	TCTTAACGCAAACCAGCTGGTGTGTTGTGAA

Table S2 The sequences of shRNAs for LINC00461.

siRNA Name	shRNA Sequence (5'-3')
sh-RNA-1#	GCAAAGGCTGACCTGGAAAGT
sh-RNA-2#	GGTGTCTCAAATGGTTAAAT
sh-RNA-3#	GCTCTCTGATTCGTTACTTAC

Table S3 Antibodies used in this study.

Antibody name	Corporation name	Source	Poly/monoclonal	Dilution ratio
P21	Cell Signaling Technology	rabbit	monoclonal	1:1000
CyclinD1	Cell Signaling Technology	rabbit	monoclonal	1:1000
Bcl-2	Cell Signaling Technology	rabbit	monoclonal	1:1000
Bax	Cell Signaling Technology	rabbit	monoclonal	1:1000
Cleaved caspase3	Cell Signaling Technology	rabbit	monoclonal	1:1000
E-cadherin	Cell Signaling Technology	mouse	monoclonal	1:1000
Vimentin	Cell Signaling Technology	rabbit	monoclonal	1:1000
MMP9	Cell Signaling Technology	rabbit	monoclonal	1:1000
MMP2	Cell Signaling Technology	rabbit	monoclonal	1:1000
COX-2	Cell Signaling Technology	rabbit	monoclonal	1:1000
GAPDH	Thermo Fisher Scientific	mouse	monoclonal	1:2000
Goat anti-rabbit IgG	Thermo Fisher Scientific	goat	monoclonal	1:2000
Goat anti-mouse IgG	Thermo Fisher Scientific	goat	monoclonal	1:2000

Table S4 The primers for plasmid constructs.

Primer Name	Primer Sequence (5'-3')
LINC00461 Reverse primer	CAGGTCGACTCTAGACTCGAGATGAGAAGATATAAAC ACAAGAGTAAAAATG
LINC00461 Forward primer	AACGAGCTCGCTAGCCTCGAGACAAGTAATCCTCGTG TGTGACAGA
COX-2 3'-UTR Reverse primer	CAGGTCGACTCTAGACTCGAGTATAGAAACAATCAAA GTTTATCTTCAGAAA
COX-2 3'-UTR Forward primer	AACGAGCTCGCTAGCCTCGAGAAGTCTAATGATCATA TTTATTTATTTATATGAACC