

Table S1 primer sequences of RT-qPCR

Species	Primer name	Sequences (5'-3')
Mouse	E-cadherin-F	GGAGGAGAACGGTGGTCAAA
	E-cadherin-R	GCCACATCATTTCGAGTCAC
	N-cadherin-F	GCTTCTGGCGGCCTTGCTTCA
	N-cadherin-R	GCGTACACTGTGCCGTCCTCATCC
	Vimentin-F	CCTTGACATTGAGATTGCCA
	Vimentin-R	GTATCAACCAGAGGGAGTGA
	Twist-F	CGGGTCATGGCTAACGTG
	Twist-R	CAGCTTGCCATCTTGGAGTC
	Snail-F	ACCCACACTGGTGAGAAGCC
	Snail-R	TTGTGGAGCAAGGACATGCG
	Slug-F	GATGTGCCCTCAGGTTTGAT
	Slug-R	ACACATTGCCTTGTGTCTGC
	ZEB1-F	GATGGGGCTGCGGATGAG
	ZEB1-R	GCAGGGTGCTCTGGGTCATA
	GAPDH-F	CCTGGAGAAACCTGCCAAGTAT
	GAPDH-R	GGTCCTCAGTGTAGCCCAAGAT
	APC-F	CAAAGAAGCTGAACCTGCCAAC
	APC-R	TGCCACCCACTTTTCTAGGG
	$\beta$ -catenin-F	CCTGCAGAACTCCAGAAAG
	$\beta$ -catenin-R	CAAAAACATCAACGTG
	GSK3 $\beta$ -F	GACTCCTTTACCCTCATTACCTG
	GSK3 $\beta$ -R	TCTAGCATCAACTCATTTCCG
	c-Myc-F	GCGTTATTTGAAGCCTGAATTTGC
	c-Myc-R	CCTGTTAGCGAAGCTCACGTTG
	CyclinD1-F	GAACTACCTGGACCGTTTCTTG
	CyclinD1-R	AGGAAGTGTTTCGATGAAATCGT
	$\beta$ -actin-F	GATCATTGCTCCTCCTGAGC
$\beta$ -actin-R	ACTCCTGCTTGCTGATCCAC	
Human	E-cadherin-F	CTTGAACCCTTTATACATCTTGG
	E-cadherin-R	CCTCCAGGTTCCAGTGATT
	N-cadherin-F	AACCCTGTCTCCCATCCAAG
	N-cadherin-R	TGCTTTCTGGCTAATGGGGA
	Vimentin-F	TGCTCCTTGGAGATGAAGCA
	Vimentin-R	CACCACTCACATCACCTCCT
	Slug-F	CGGACCCACACATTACCTTG

	Slug-R	GTGCAGGAGAGACATTCTGG
	Snail-F	ATGCCGCGCTCTTTCCTCGTC
	Snail-R	AGCAGGTGGGCCTGGTCGTAG
	$\beta$ -catenin-F	GCTTCTCAAGGAGCTTACGC
	$\beta$ -catenin-R	CATGTCACAGGTCGCTGATG
	GSK3 $\beta$ -F	GGAAGGTTGAGATGGGTGGA
	GSK3 $\beta$ -R	TCCAAACGATTCTCCTGCCT
	CyclinD1-F	AGATGGCACTGAATTCCCA
	CyclinD1-R	GTCAGGACACTCAGGACCAA
	GAPDH-F	AATGGGCAGCCGTTAGGAAA
	GAPDH-R	GCCAATACGACCAAATCAGAG

Table S2 Antibody information of Western blot

Antibody name	Dilution	Purchasing companies
rabbit anti-E-cadherin	1:1000	Cell Signaling Technology, USA
rabbit anti-N-cadherin	1:1000	Bioss Biotechnology, Beijing, China
rabbit anti-Vimentin	1:2000	Bioss Biotechnology, Beijing, China
rabbit anti-Slug	1:500	Cell Signaling Technology, USA
rabbit anti-Snail	1:500	Cell Signaling Technology, USA
rabbit anti-GSK3 $\beta$	1:1000	Wanlei Biological Technology, Shenyang, China
rabbit anti-p-GSK3 $\beta$	1:1000	Bioword Biotechnology, Nanjing, China
rabbit anti- $\beta$ -catenin	1:1000	Wanlei Biological Technology, Shenyang, China
rabbit anti-p- $\beta$ -catenin	1:1000	Sigma-Aldrich, USA
rabbit anti-c-Myc	1:1000	Wanlei Biological Technology, Shenyang, China
rabbit anti-CyclinD1	1:1000	Wanlei Biological Technology, Shenyang, China
rabbit anti-Wnt3a	1:1000	Wanlei Biological Technology, Shenyang, China
rabbit anti- $\beta$ -tubulin	1:1000	Proteintech Biotechnology, Wuhan, China
rabbit anti- $\beta$ -actin	1:5000	Proteintech Biotechnology, Wuhan, China