

Table S1

Gene	Primer	Sequence (5'–3')	Product size
β -actin	F	5'-GCCAGCTCACCATGGATGATG-3'	159
	R	5'-CTGACCCATGCCCACCATCACGCC-3'	
APC	F	5'-TATTACGGAATGTGTCCAGCTTG-3'	157
	R	5'-ATGCAGGAGAGCGTGCAGGTC-3'	
β -Catenin	F	5'-AGAACAGAGCCAATGGCTTG-3'	130
	R	5'-AGAACAGAGCCAATGGCTTG-3'	
GSK3 β	F	5'-GGCAGCATGAAAGTTAGCAGA-3'	139
	R	5'-GCCGACCAGTTCTCCTGAATC-3'	
PTEN	F	5'-CCATTTCCATCCTGCAGAAGA-3'	227
	R	5'-CCTGTATACGCCTTCAAGTC-3'	
AKT	F	5'-ACGCGTAGCCATTGTGAAG-3'	225
	R	5'-CAGCGGATGATAAAGGTGTTG-3'	
mTOR	F	5'-GGGACAGCATGGAAGAATACA-3'	109
	R	5'-TGTTGTGCCAAGGAGAAGAG-3'	
PI3K	F	5'-AGAGGATGATGCCGCCGTG-3'	169
	R	5'-TCTTCTCCTTGTGCAGGTAGTCC-3'	
MMP2	F	5'-TCCCAGCGGCCAAAGTTGATC-3'	179
	R	5'-AAGTGGGACAAGAACCAGATC-3'	
BCL2	F	5'-CCGAGATGTCCAGCCAGCTG-3'	119
	R	5'-CTCAAAGAAGGCCACAATC-3'	
BAX	F	5'-AGAGGATGATTGCCGCCGTG-3'	117
	R	5'-AGTAGAAAAGGGCGACAACCC-3'	

WNT3A	F	5'-CCCGTGCTGGACAAAGCTACC-3'	193
	R	5'-TCCCACCAAACCTCGATGTCCTCG-3'	
VEGF	F	5'-GTGGTGAAGTTCATGGATGTCTA-3'	115
	R	5'-CACAGGATGGCTTGAAGATGTA-3'	

Table S1. The list of primer and oligo sequences was used in this study.

Fig. S1

Original Western blot images



