

Table S1. Primer sequences used in this study

Gene	Sequences
ERK1/2	5' -ATGGTGTGCTCTGCTTATGATA-3' (Sense) 5' -TCTTTCATTTGCTCGATGGTTG-3' (Antisense)
β 2-AR	5' -CCATTGATGTGCTGTGCGTC-3' (Sense) 5' -CCGGGCCTTATTCTTGGTCA-3' (Antisense)
CDH1	5' -GATAGAGAACGCATTGCCACATA-3' (Sense) 5' -ATTTTCCATGACAGACCCCTTAA-3' (Antisense)
CDH2	5' -TGTTTGTCTTACTGTTGCTGC-3' (Sense) 5' -TTCTTCTTGGCGAATGATCTTAG-3' (Antisense)
snail	5' -GCTCTGCCACCCTGGGACTC-3' (Sense) 5' -CCTCGCTGCCAATGCTCATCTG-3' (Antisense)
GAPDH	5' -GAAGGTCGGAGTCAACGGAT-3' (Sense) 5' -CTGGAAGATGGTGATGGGATT-3' (Antisense)

Table S2. List of primary antibodies used.

Antibody	Source	Catalog Number	Host	Dilution
β 2-AR	abcam	ab182136	mouse	1:1000
ERK1/2	Huaan	#ET1601-29	rabbit	1:1000
p-ERK1/2	Huaan	#ET1603-22	rabbit	1:1000
E-cadherin	Huaan	#ET1607-75	rabbit	1:1000
N-cadherin	Huaan	#ET1607-37	rabbit	1:1000
snail	Huaan	#ER1706-22	rabbit	1:1000
vimentin	Huaan	#M0401	mouse	1:1000
ZEB-1	Cell Signaling Technology	#3396	rabbit	1:1000
β -actin	Cell Signaling Technology	#58169	mouse	1:10000
GAPDH	Abcam	ab8245	mouse	1:10000