

Table S1 Primer for quantitative real-time polymerase chain reaction (qRT-PCR)

Gene	Sequence
miR-17-5p	F: ACACTCCAGCTGGGCAAAGTGCTTACAGTGC; R: CTCAACTGGTGTCTGGAGTCGGCAATTCAGTTGAGCTACCTGC
U6	F: CTCGCTTCGGCAGCACA; R: AACGCTTCACGAATTTGCGT
PTEN	F: TGGATTGCACTTAGACTTGACCT; R: TACGCCTTCAAGTCTTTCTGC
GAPDH	F: GAAGGTGAAGGTCGGAGTC; R: GAAGATGGTGATGGGATTTC
BMPR2	F: GAATCCCCAGCCCTGAAACA; R: TACTTGGCGTGAGTCCTGTG
BIM	F: GCATCATCGCGGTATTCGGT; R: GAACAAGGGCCAAGAAA GGG

BIM, Bcl-2 like protein 11; BMPR2, bone morphogenetic protein type II receptor; GAPDH, glyceraldehyde phosphate dehydrogenase; PTEN, phosphatase and tensin homolog deleted on chromosome 10.

Table S2 Primer for Luciferase reporter assay

Molecules	Sequence of primer
PTEN-3'UTR	F: TAGGCGATCGCTCGAGACCCTATACATCCACAGGG; R: TTGCGGCCAGCGGCCGCGTGAACCAGTATATCACAAAG
BIM-3'UTR	F: TAGGCGATCGCTCGAGCGGTTACAAGCAGTGGTAG; R: TTGCGGCCAGCGGCCGCGAAATGTGCTCATGTGGTG

BIM, Bcl-2 like protein 11; PTEN, phosphatase and tensin homolog deleted on chromosome 10.

Table S3 Sequence of related siRNAs

siRNA	Sequence
PTEN-siRNA1	5'-3': CGGGAAGACAAGUUCAUGUTT
	5'-3': ACAUGAACUUGUCUCCCGTT
PTEN-siRNA2	5'-3': GCUACCUUUAAAGAAUCATT
	5'-3': UGAUUCUUUACAGGUAGCTT
PTEN-siRNA3	5'-3': GGUGUAAUGAUUGUGCAUTT
	5'-3': AUGCACAUAUCAUJACACCTT
BIM-siRNA1	5'-3': GCCACAAGGUAAUCCUGAATT
	5'-3': UUCAGGAUUACCUUGUGGCTT
BIM-siRNA2	5'-3': CCCAUGAGUUGUGACAAUUTT
	5'-3': AUUUGUCACAACUCAUGGGTT
BIM-siRNA3	5'-3': GCGUAUUGGAGACGAGUUUTT
	5'-3': AAACUCGUCUCCAUAJACGCTT
NC siRNA	5'-3': UUCUCCGAACGUGUCACGUTT
	5'-3': ACGUGACACGUUCGGAGAATT
AKT-siRNA1	5'-3': AGGAAGUCAUCGUGGCCAATT
	5'-3': UUGGCCACGAUGACUUCCTT
AKT-siRNA2	5'-3': GCACUUUCGGCAAGGUGAUTT
	5'-3': AUCACCUUGCCGAAAGUGCTT
AKT-siRNA3	5'-3': UCAUGCAGCAUCGCUUCUUTT
	5'-3': AAGAAGCGAUGCUGCAUGATT
NC siRNA	5'-3': UUCUCCGAACGUGUCACGUTT
	5'-3': ACGUGACACGUUCGGAGAATT

Akt, protein kinase B; BIM, Bcl-2 like protein 11; BMPR2, bone morphogenetic protein type II receptor; GAPDH, glyceraldehyde phosphate dehydrogenase; NC, negative control; PTEN, phosphatase and tensin homolog deleted on chromosome 10; siRNA, small interfering RNA.

Table S4 Sequence of agomir and antagomir

Agents	Sequence
miR-17-5p agomir	5'-3': CAAAGUGCUUACAGUGCAGGUAG
	5'-3': ACCUGCACUGUAAGCACUUUGUU
miR-17-5p antagomir	5'-3': CUACCUGCACUGUAAGCACUUUG
	5'-3': UUCUCCGAACGUGUCACGUTT
agomir NC	5'-3': UUCUCCGAACGUGUCACGUTT
	5'-3': ACGUGACACGUUCGGAGAATT
antagomir NC	5'-3': CAGUACUUUUGUGUAGUACAA

NC, negative control.