

Breast cancer suppression by aplysin is associated with inhibition of PI3K/AKT/FOXO3a pathway

SUPPLEMENTARY MATERIALS

Supplementary Table 1: shFOXO3a targeting sequences

shFOXO3a	sequences
shFOXO3a-1	5'-GCACAACCTGTCACTGCATAG-3'
shFOXO3a-2	5'-GGGCTGTCTCCATGGACAATA-3'
shFOXO3a-3	5'-GGAACGTGATGCTTCGCAATG-3'
shFOXO3a-4	5'-GCTCACTTCGGACTCACTTAG-3'

Supplementary Table 2: Primers for Quantitative real-time PCR (5'→3')**The oligonucleotides used as PCR primers**

cyclinD1(rat) forward: GAGGCGGATGAGAACAAGCA	cyclinD1(homo) forward: CCGATGCCAACCTCCTCAAC
cyclinD1 (rat) reverse: CGGTAGCAGGAGAGGAAGTTG	cyclinD1 (homo) reverse: CTCCTCCTCGCACTTCTGTTC
p21 (rat) forward: AAGCAGTCACAGCCTAGAACAA	p21 (homo) forward: GTCCAGCGACCTTCTCATC
p21 (rat) reverse: GAGAGCAGCAGATCACCAGATT	p21 (homo) reverse: TAGCCTCTACTGCCACCATCT
p27(rat) forward: GAAGCACTGCCGAGATATGGA	p27(homo) forward: GAGTGGCAAGAGGTGGAGAAG
p27 (rat) reverse: CACCTCCTGCCACTCGTATC	p27 (homo) reverse: ATGCGTGTCTCAGAGTTAGC
Bim (rat) forward: CCAGAGATACGGATCGCACAG	Bim (homo) forward: GTATTTCGGTTCGCTGCGTTCC
Bim (rat) reverse: CTCCATACCAGACGGAAGATGA	Bim (homo) reverse: TCTACCTTCTCGGTCACACTCA
TRAIL (rat) forward: AATCGGACTAGCTTGCTTCTCA	TRAIL (homo) forward: GGCTGCCTGGCTGACTTACA
TRAIL (rat) reverse: GCTGATACAGTTGCCTCTTGAC	TRAIL (homo) reverse: GGAGCACTGTGAAGATCACGATC
FasL (rat) forward: TCCACCACCACCTCCATCAC	FasL (homo) forward: TGGTTCTGGTTGCCTTGGTAG
FasL (rat) reverse: CATTCCAACCAGAGCCACCAG	FasL (homo) reverse: CCTTGAGTTGGACTTGCCTGT
GAPDH (rat) forward: AGTTCAACGGCACAGTCAAGG	GAPDH (homo) forward: TGATGGTCGGCTGCGTGTA
GAPDH (rat) reverse: ACATACTCAGCACCAGCATCAC	GAPDH (homo) reverse: GGGCTCAGGGCATAACAGAA