

The roles of ING5 expression in ovarian carcinogenesis and subsequent progression: a target of gene therapy

SUPPLEMENTARY MATERIALS

Supplementary Table 1: Primers employed in the present study

Names	Primer's sequence	Distribution	AT (°C)	Product size (bp)	Extension time (s)
<i>E-cadherin</i>	F:5'-CCGCCATCGCTTACA-3' R:5'-GGCACCTGACCCTTGTA-3'	NM-057374.2 1017-1278	60	262	34
<i>N-cadherin</i>	F:5'-GAAAGACCCATCCACG- 3' R: 5'-CCTGCTCACCACCACTA- 3'	NM-031333.1 2365-2581	60	217	34
<i>MMP2</i>	F:5'- TGATCTTGACCAGAATACCATCGA- 3' R: 5'- GGCTTGCGAGGGAAGAAGTT - 3'	XM_004057658.2 429-518	60	94	34
<i>MMP9</i>	F:5'- TGTACCCTATGGTTACT - 3' R: 5'- CCTCAAAGGTTTGAAT - 3'	NM_004994.2 169-353	60	189	34
<i>MRP1</i>	F:5'- TTTCAGAACACGGTCTCTCG - 3' R: 5'-TGGGCTGACCAGAAACACT - 3'	XM_017023243.1 154-387	60	234	34
<i>TOPI</i>	F:5'- AAAGATCGAGAACACCGG- 3' R: 5'- TGTTTGGTCTTCTCCTTCT- 3'	XM_004062154.1 335-456	60	122	34
<i>TOPII</i>	F:5'-AAAATGAAGATGCTAAGAAAAGACT-3' R:5'-GTACAAACCAGGAACAAAAGTGACT-3'	XM_004041770.2 218-405	60	188	34
<i>FBXW7</i>	F:5'-AGATGGACCAGGAGAGTG-3' R: 5'-CTTGCATGGTTTCTTCC-3'	NM_001349798.1 1531-1748	60	218	34
<i>VEGF</i>	F:5'- GCGCTCGGTGCTGGAATTTG - 3' R: 5'- TAGAGCAATCTCCCAAGCCG - 3'	XM_016955597.1 138-298	60	161	34
<i>MDR1</i>	F:5'- ACACCTGGGCATCG - 3' R: 5'- TATTAGGCAGTGACTCGA - 3'	NM_001348946.1 3878-4035	60	158	34
<i>BCRP</i>	F:5'- GACAGCTTCCAATGACCTGAA - 3' R: 5'-CAGGATGGCGTTGAGACC - 3'	NM_001348989.1 204-375	60	172	34
<i>GST-π</i>	F: 5'- CGGGCAAGGATGACTATGTGA - 3' R: 5'- GGGCTAGGACCTCATGGATCA - 3'	BC044846.1 1137-1475	60	339	34
<i>GAPDH</i>	F: 5'-CAATGACCCCTTCATTGACC-3' R: 5'- TGGAAGATGGTGATGGGATT-3'	NM_002046.3 201-335	60	135	34

AT = annealing temperature.

Supplementary Table 2: The antibodies used for western blot and immunohistochemistry

Num	Antibody	Species	Dilution	Company	Code number
1	Bcl-2 (C-21)	rabbit	1:700	santa cruz	sc-783
2	β -catenin(E-5)	mouse	1:1000	santa cruz	sc-7963
3	LC-3B	rabbit	1:1000	wanleibio	wl01506
4	ADFP	rabbit	1:2000	abcam	ab51031
5	ING5	goat	1:1000	abcam	ab3716
6	LaminB(C-20)	goat	1:500	santa cruz	sc-624
7	Bax(B-9)	mouse	1:500	santa cruz	sc-7480
8	P53	rabbit	1:1000	wanleibio	WL02384
9	Cdc25b(C-20)	rabbit	1:500	santa cruz	sc-326
10	Cdk4 (C-22)	rabbit	1:500	santa cruz	sc-260
11	PI3 Kinase	rabbit	1:1000	abcam	ab151549
12	14-3-3(H-8)	mouse	1:500	santa cruz	sc-1657
13	Akt	rabbit	1:500	santa cruz	sc-8312
14	p-Akt	rabbit	1:500	santa cruz	sc-16646
15	Bcl-xs/l(S-18)	rabbit	1:500	santa cruz	sc-634
16	LRP	rabbit	1:1000	abcam	ab28320
17	BCRP	rabbit	1:1000	abcam	ab108312
18	CD147	rabbit	1:1000	abcam	ab108317
19	GST π	rabbit	1:1000	abcam	ab34934
20	NFKB	rabbit	1:1000	CST	8242s
21	MMP-9(2C3)	mouse	1:500	santa cruz	sc-21733
22	MMP-2	mouse	1:500	santa cruz	sc-13594
23	N-cadherin	mouse	1:1000	abcam	ab98952
24	ATG13	rabbit	1:1000	abcam	ab155826
25	HXK1(N-19)	goat	1:500	santa cruz	sc-6517
26	CS(P-20)	goat	1:500	santa cruz	sc-242444
27	E-cadherin	mouse	1:1000	abcam	ab76055
28	VEGF(A-20)	rabbit	1:500	santa cruz	sc-152
29	Beclin 1	rabbit	1:500	santa cruz	sc-11427
30	Ki-67	rabbit	1:300	abcam	Ab15580
31	GAPDH(6C5)	mouse	1:2000	santa cruz	sc-32233
32	β -actin(C4)	mouse	1:2000	santa cruz	sc-47778