

Supplementary Materials

Supplementary table S1. Catalogue numbers and dilutions of the antibodies used for western blot and immunohistochemistry

Company	Cat#	Antibody	Dilution Factor
Thermo Fisher Scientific	PA5-40576	HOXB9	1/1000
abCAM	ab129267	ERCC-1	1/1000
abCAM	ab187644	MRP-2	1/1000
abCAM	ab182858	BCL-2	1/2000
abCAM	ab182733	BAX	1/2000
Cell Signaling Technology	87809	MMP-2	1/500
Cell Signaling Technology	13667	MMP-9	1/500
Cell Signaling Technology	14472	E-Cadherin	1/1000
Cell Signaling Technology	2808	Survivin	1/500
Cell Signaling Technology	14220	Caspase-3	1/1000
Cell Signaling Technology	9661	Cleaved Caspase-3	1/1000
Cell Signaling Technology	20750	Cleaved Caspase-9	1/1000
Cell Signaling Technology	9532	PARP	1/1000
Cell Signaling Technology	5625	Cleaved PARP	1/1000
Cell Signaling Technology	14334	XIAP	1/500
Cell Signaling Technology	2144	α -tubulin	1/5000

Bcl-2, B-cell lymphoma 2; Bax, BCL2 associated X protein; E-Cadherin, epithelial cadherin; ERCC-1, excision repair cross-complementing rodent repair deficiency, complementation group 1; HOXB9, homeobox B9; MMP-2, matrix metalloproteinase-2; MMP-9, matrix metalloproteinase-9; MRP-2, multidrug resistance protein 2; PARP, Poly (ADP-ribose) polymerase; XIAP, X-linked inhibitor of apoptosis protein

Supplementary Table S2. Primers used for reverse transcription polymerase chain reaction

Genes	Primers	Sequences (5'--->3')	Product size (bp)	Annealing Temp. (°C)	#PCR Cycles
HOXB9	Forward Reverse	GGTGGGCTAGAAAGTACAAGAAAA GATACGACCGAAGAGAGTTGATTT	298	62	28
E-Cadherin	Forward Reverse	AATGTTTATTTAGCTCTGAAGCAAGAG AATTTTGAATATTCTCGGTTTTCTGT	369	55	30
N-Cadherin	Forward Reverse	GGAGACATTGGGGACTTCATTA CCACCATACATGTCAGCAAGTT	221	61	30
Vimentin	Forward Reverse	TGACATTGAGATTGCCACCTAC GAGATGCTGAGAAGTTTCGTTG	206	60	32
VEGF	Forward Reverse	TAAAATTCATGTTTCCAATCTCTCTCT ATACACACAAATACAAGTTGCCAAATA	196	56	30
IGF	Forward Reverse	CAGGGGCTTTTCTTTCAACAAG TCGTGTTCTTGTGTTAGATGG	230	60	28
Nanog	Forward Reverse	GTGATGAAGATGTATTCGTATTGTTTG AGGAAAAATAGTTGTTTCATTCATTG	251	58	33
Oct-4	Forward Reverse	CTCACTTCACTGCACTGTACTCCT TAGTGAATGAAGAACTTAATCCCCAAAA	205	62	33
Sox-2	Forward Reverse	AACGTGAAAAGAAGAAAATTATTCAAA AGCTATTATAAATTACCAACGGTGTCA	208	61	30
Bax	Forward Reverse	CCCGAGAGGTCTTTTTCCGAG CCAGCCCATGATGGTTCTGAT	154	56	25
Bcl-2	Forward Reverse	ATACTGAGTAAATCCATGCACCTAAAC AACAAAAGCTTTCAATACAAAAACACT	273	62	28
18s rRNA	Forward Reverse	GAGCGAAAGCATTGCGCAAG GGCATCGTTTATGGTCGGAA	100	60	25

Bcl-2, B-cell lymphoma 2; Bax, BCL2 associated X protein; E-Cadherin, epithelial cadherin; ERCC-1, excision repair cross-complementing rodent repair deficiency, complementation group 1; HOXB9, homeobox B9; IGF, insulin-like growth factor; MMP-2, matrix metalloproteinase-2; MMP-9, matrix metalloproteinase-9; MRP-2, multidrug resistance protein 2; Oct-4, octamer-binding transcription factor 4; PARP, Poly (ADP-ribose) polymerase; Sox-2, sex determining region Y box-2; VEGF, Vascular endothelial growth factor; XIAP, X-linked inhibitor of apoptosis protein

Supplementary figure S1. Quantification for the protein expression levels of the figure 6E

