

REAGENT or RESOURCE	SOURCE	IDENTIFIER	
Antibodies			
Mouse WNT2 Monoclonal antibody	Kexing	cat. 3C91	IHC, 1:5000 (Mice xenograft); IHC, 1:600 (TMA); WB, 1:2000
Rabbit monoclonal [EPR7308(2)] to Frizzled 8	Abcam	cat. ab155093	WB,1:2000; IHC, 1:3000
β-Catenin (D10A8) XP® Rabbit mAb	Cell Signaling Technology	cat.# 8480	WB,1:2000; IHC, 1:300
Non-phospho (Active) β-Catenin (Ser33/37/Thr41) (D13A1) Rabbit mAb	Cell Signaling Technology	cat.# 8814	WB,1:2000; IHC, 1:2000
Rabbit polyclonal to SOX4	Abcam	cat. ab86809	ChIP,5 µg/ml; IHC, 1:5000 (Mice xenograft); IHC, 1:500 (TMA)
SOX4 Antibody	Affinity	cat. DF2610	WB,1:2000
Rabbit (DA1E) mAb IgG XP® Isotype Control	Cell Signaling Technology	cat.# 3900	IP:5 µg/ml
HA-Tag (C29F4) Rabbit mAb	Cell Signaling Technology	cat.# 3724	WB,1:2000
DYKDDDDK Tag (D6W5B) Rabbit mAb	Cell Signaling Technology	cat.# 14793	WB,1:2000
normal mouse IgG1	santa cruz biotechnology	cat.# sc-2025	IP:5 µg/ml
DYKDDDDK tag Mouse Monoclonal antibody	Proteintech	cat.# 66008-3-Ig	WB,1:2000; IP:5 µg/ml
HA tag Mouse Monoclonal antibody	Proteintech	cat.# 66006-2-Ig	WB,1:2000; IP:5 µg/ml
SOX2	Cell Signaling Technology	cat.# 3579	WB,1:2000
OCT4A	Cell Signaling Technology	cat.# 2840	WB,1:2000
NANOG	Cell Signaling Technology	cat.# 4903	WB,1:2000
Slug	Cell Signaling Technology	cat.# 9585	WB,1:2000
Snail	Cell Signaling Technology	cat.# 3879	WB,1:2000
E-cadherin	Cell Signaling Technology	cat.# 3195	WB,1:2000
N-cadherin	Cell Signaling Technology	cat.# 13116	WB,1:2000
Vimentin	Cell Signaling Technology	cat.# 5741	WB,1:2000
Rabbit IgG control Polyclonal antibody	Proteintech	cat.# 30000-0-AP	WB,1:2000; IP:5 µg/ml

Ubiquitin (P4D1) mouse mAb	Cell Signaling Technology	cat.# 3936	WB,1:2000;
ubiquitin Rabbit Polyclonal antibody	Proteintech	cat.# 10201-2-AP	WB,1:2000; IP:5 µg/ml
GAPDH (D16H11) XP® Rabbit mAb	Cell Signaling Technology	cat.# 5174	WB,1:2000
Anti-rabbit IgG, HRP-linked Antibody	Cell Signaling Technology	cat.# 7074	WB,1:5000
Anti-mouse IgG, HRP-linked Antibody	Cell Signaling Technology	cat.# 7076	WB,1:5000
Ki-67 (8D5) Mouse mAb	Cell Signaling Technology	cat.# 9449	IHC,1:2000
FITC anti-human CD44 Antibody	Biolegend	cat. 397517	FACS,1:50
APC anti-human CD54 Antibody	Biolegend	cat. 353111	FACS,1:50
FITC Mouse IgG1, κ Isotype Ctrl (FC) Antibody	Biolegend	cat. 400109	FACS,1:50
APC Mouse IgG2a, κ Isotype Ctrl (FC) Antibody	Biolegend	cat. 400221	FACS,1:50

Sequence

5'-3'

WNT2#1	CCGGGCTCATGTACTCTCAGGACATCTCGAGATGTCCTGAGAGTACATGAGCTTTT TGAATT
WNT2#2	CCGGCCAGATGTGATGCGTGCCATTCTCGAGAATGGCACGCATCACATCTGGTTT TTGAATT
FZD8#1	CCGGGCCTAGAGGACTACAAGAAGCCTCGAGGCTTCTTGATAGTCCTCTAGGCTTT TTGAATT
FZD8#2	CCGGGGCTTGTGCCCAGCGTCAAGTCTCGAGACTTGACGCTGGGCACAAGCCTT TTTGAATT

CTNNB1#1 CCGGGCATAACCTTTCCCATCATCGCTCGAGCGATGATGGGAAAGGTTATGCTTTT
TGAATT

CTNNB1#2 CCGGGCTGGTGGGAATGCAAGCTTTACTCGAGTAAAGCTTGCATTCCACCAGCTTTT
TGAATT

SOX4#1 CCGGGAAGAAGGTGAAGCGCGTCTACTCGAGTAGACGCGCTTCACCTTCTTCTTT
TTGAATT

SOX4#2 CCGGAGCGACAAGATCCCTTTCATTCTCGAGAATGAAAGGGATCTTGTCGCTTTTT
TGAATT

CDS Sequence

WNT2

ATGAACGCCCCTCTCGGTGGAATCTGGCTCTGGCTCCCTCTGCTCTTGACCTGGC
TCACCCCCGAGGTCAACTCTTCATGGTGGTACATGAGAGCTACAGGTGGCTCCTC
CAGGGTGATGTGCGATAATGTGCCAGGCCTGGTGAGCAGCCAGCGGCAGC
TGTGTCACCGACATCCAGATGTGATGCGTGCCATTAGCCAGGGCGTGGCCGAGTG
GACAGCAGAATGCCAGCACCAAGTTCCGCCAGCACCGCTGGAATTGCAACACCCT
GGACAGGGATCACAGCCTTTTTGGCAGGGTCCTACTCCGAAGTAGTCGGGA
ATCTGCCTTTGTTTATGCCATCTCCTCAGCTGGAGTTGTATTTGCCATCACCAGGG
CCTGTAGCCAAGGAGAAGTAAAATCCTGTTCTGTGATCCAAAGAAGATGGGAAG
CGCCAAGGACAGCAAAGGCATTTTTGATTGGGGTGGCTGCAGTGATAACATTGACT
ATGGGATCAAATTTGCCCGCGCATTTGTGGATGCAAAGGAAAGGAAAGGAAAGGA
TGCCAGAGCCCTGATGAATCTTCACAACAACAGAGCTGGCAGGAAGGCTGTAAAG
CGGTTCTTGAAACAAGAGTGCAAGTGCCACGGGGTGAGCGGCTCATGTACTCTCA
GGACATGCTGGCTGGCCATGGCCGACTTCAGGAAAACGGGCGATTATCTCTGGAG
GAAGTACAATGGGGCCATCCAGGTGGTCATGAACCAGGATGGCACAGGTTTCACT
GTGGCTAACGAGAGGTTTAAGAAGCCAACGAAAAATGACCTCGTGTATTTTGAGAA
TTCTCCAGACTACTGTATCAGGGACCGAGAGGCAGGCTCCCTGGGTACAGCAGG
CCGTGTGTGCAACCTGACTTCCCGGGGCATGGACAGCTGTGAAGTCATGTGCTGT
GGGAGAGGCTACGACACCTCCCATGTCACCCGGATGACCAAGTGTGGGTGTAAG
TTCCACTGGTGCTGCGCCGTGCGCTGTCAGGACTGCCTGGAAGCTCTGGATGTGC
ACACATGCAAGGCCCCCAAGAACGCTGACTGGACAACCGCTACATTG

FZD8

CTCTTCGTGTCGGTGGGCTACCTAGTGCGCCTGGTGGCGGGCCACGAGAAGGTG
GCGTGCAGCGGTGGCGCGCCGGGCGCGGGGGGCGCTGGGGGCGCGGGCGGGC
CGGCGGCGGGCGCGGGCGCGGGCGGGCGCGGGCGCGGGCGGGCCGGGCGGGC
GCGGCGAGTACGAGGAGCTGGGCGCGGTGGAGCAGCACGTGCGCTACGAGACC
ACCGGCCCCGCGCTGTGCACCGTGGTCTTCTTGCTGGTCTACTTCTTCGGCATGG
CCAGCTCCATCTGGTGGGTGATCTTGTCGCTCACATGGTTCCTGGCGGGCCGGTAT
GAAGTGGGGCAACGAAGCCATCGCCGGCTACTCGCAGTACTTCCACCTGGCCGC
GTGGCTTGTGCCCAGCGTCAAGTCCATCGCGGTGCTGGCGCTCAGCTCGGTGGA
CGGCGACCCGGTGGCGGGCATCTGCTACGTGGGCAACCAGAGCCTGGACAAC
CTGCGCGGCTTCGTGCTGGCGCCGCTGGTCATCTACCTCTTCATCGGCACCATGT
TCCTGCTGGCCGGCTTCGTGTCCCTCTTCCGCATCCGCTCGGTCATCAAGCAACA
GGACGGCCCCACCAAGACGCACAAGCTGGAGAAGCTGATGATCCGCCTGGGCCT
GTTCAACCGTGCTCTACACCGTGCCCGCCGCGGTGGTGGTCGCCTGCCTCTTCTA
CGAGCAGCACAACCGCCCCGCGCTGGGAGGCCACGCACAACCTGCCCCTGCCTGC
GGGACCTGCAGCCCGACCAGGCACGCAGGCCCGACTACGCCGTCTTCATGCTC
AAGTACTTCATGTGCCTAGTGGTGGGCATCACCTCGGGCGTGTGGGTCTGGTCCG
GCAAGACGCTGGAGTCCTGGCGCTCCCTGTGCACCCGCTGCTGCTGGGCCAGCA
AGGGCGCCGCGGTGGGCGGGGGCGCGGGCGCCACGGCCGCGGGGGGTGGCG
GCGGGCCGGGGGGCGGCGGCGGGGGGACCCGGCGGCGGCGGGGGGCGCGG
GCGGCGGCGGGGGCTCCCTCTACAGCGACGTCAGCACTGGCCTGACGTGGCGG
TCGGGCACGGCGAGCTCCGTGTCTTATCCAAAGCAGATGCCATTGTCCCAGGTCT
AC

SOX4

TTCATGGTGTGGTCGCAGATCGAGCGGCGCAAGATCATGGAGCAG
TCGCCCCGACATGCACAACGCCGAGATCTCCAAGCGGCTGGGCAAACGCTGGAAG
CTGCTCAAAGACAGCGACAAGATCCCTTTTCATTTCGAGAGGCGGAGCGGCTGCGC
CTCAAGCACATGGCTGACTACCCCGACTACAAGTACCGGCCCCAGGAAGAAGGTG
AAGTCCGGCAACGCCAACTCCAGCTCCTCGGCCGCCGCCTCCTCCAAGCCGGG
GGAGAAGGGAGACAAGGTCTGGTGGCAGTGGCGGGGGCGGCCATGGGGGCGGCG
GCGGCGGCGGGAGCAGCAACGCGGGGGGAGGAGGCGGCGGTGCGAGTGGCGG
CGGCGCCAACTCCAAACCGGCGCAGAAAAAGAGCTGCGGCTCCAAAGTGGCGG
GCGGCGCGGGCGGTGGGGTTAGCAAACCGCACGCCAAGCTCATCCTGGCAGGC
GGCGGCGGCGGCGGGAAAGCAGCGGCTGCCGCCGCCGCCTCCTTCGCCGCCG
AACAGGCGGGGGCCGCCGCCCTGCTGCCCCCTGGGCGCCGCCGCCGACCACCA
CTCGCTGTACAAGGCGCGGACTCCCAGCGCCTCGGCCTCCGCCTCCTCGGCAG
CCTCGGCCTCCGCAGCGCTCGCGGCCCCCGGGCAAGCACCTGGCGGAGAAGAAG
GTGAAGCGCGTCTACCTGTTCTGGCGGCCTGGGCACGTCGTCGTCGCCCCGTGGGC
GGCGTGGGCGCGGGAGCCGACCCCAGCGACCCCCTGGGCCTGTACGAGGAGGA
GGGCGCGGGCTGCTCGCCCGACGCGCCCGAGCCTGAGCGGCCCGCAGCAGCGCC
GCCTCGTCCCCCGCCGCCGGCCGCTCGCCCGCCGACCACCGCGGCTACGCCA
GCCTGCGCGCCGCCCTCGCCCGCCCCGTCCAGCGCGCCCTCGCACGCGTCCTC
CTCGGCCTCGTCCCACTCCTCCTCTTCTCCTCCTCGGGCTCCTCGTCCTCCGA
CGACGAGTTCGAAGACGACCTGCTCGACCTGAACCCCAGCTCAAACCTTTGAGAG
CATGTCCCTGGGCAGCTTCAGTTCGTCGTCGGCGCTCGACCGGGACCTGGATTTT
AACTTCGAGCCCGGCTCCGGCTCGCACTTCGAGTTCCCGGACTACTGCACGCCC
GAGGTGAGCGAGATGATCTCGGGAGACTGGCTCGAGTCCAGCATCTCCAACCTG
GTTTTACCTACTAC

Reagents

Human recombination WNT2 protein
(rWNT2)

Abnova

cat.# H00007472-
P01

CHX

MCE

cat.# HY-12320/CS-
4985

MG-132		cat.# M7449-1ML-PW
Oxaliplatin	Sigma	
DDP	Selleck	cat.# S1224
5FU	MCE	cat.# HY-17394
Protease/Phosphatase Inhibitor Cocktail (100X)	MCE	cat.# HY-90006
	Cell Signaling Technology	cat.# 5872
Primers	5' to 3'	5' to 3'
WNT2	CGCATTTGTGGATGCAAAG GA	TCGCCCCGTTTTCC TGAAGTCG
FZD8	ATCTTGTCGCTCACATGGT TC	CATGGTGCCGATG AAGAGGTA
CTNNB1	AAAGCGGCTGTTAGTCACT GG	CGAGTCATTGCAT ACTGTCCAT
SOX4	GGCCTCGAGCTGGGAATC GC	GCCCACTCGGGGT CTTGAC
GAPDH	CTTTGGTATCGTGGAAGGA CTC	GTAGAGGCAGGGA TGATGTTCT
WNT2B	CGGGACCACACCGTCTTT G	GCGAGTAATAGCG TGGACTAC
WNT3	CTCGCTGGCTACCCAATTT G	AGGCTGTCATCTAT GGTGGTG
WNT3A	AGCTACCCGATCTGGTGGT C	CAAACCTCGATGTC CTCGCTAC
WNT4	GTACGCCATCTCTTCGGCA G	GCGATGTTGTCAG AGCATCCT
WNT5A	ATTCTTGGTGGTCGCTAGG TA	CGCCTTCTCCGAT GTACTGC

WNT5B	CGCTTCGCCAAGGAGTTTG	TGCCATCTTATACA CAGCCCT
WNT6	GGTGCGAGAGTGCCAGTT C	CGTCTCCCGAATG TCCTGTT
WNT7A	CTGTGGCTGCGACAAAGA GAA	GCCGTGGCACTTA CATTCC
WNT7B	CGCAGCTATCAGAAGCCC AT	CAGGTGTTGCACT TGACGA
WNT8A	GAACCTGTTTATGCTCTGG GC	CAGCGTTCCCAAG CAAACCTG
WNT8B	AAGGCCGAGAGTGCCTAA G	CTGCGCGGCTACA GAAGTA
WNT9A	GGCAAGCATCTGAAGCAC AAG	GCAGAAGCTAGGC GAGTCA
WNT9B	TGTGCGGTGACAACCTCAA G	ACAGGAGCCTGAT ACGCCAT
WNT10A	GGTCAGCACCCAATGACAT TC	TGGATGGCGATCT GGATGC
WNT10B	CATCCAGGCACGAATGCG A	CGGTTGTGGGTAT CAATGAAGA
WNT11	GCCAATAAACTGATGCGTC TACA	GTATCGGGTCTTG AGGTCAGC
WNT16	AGTATGGCATGTGGTTCAG CA	GCGGCAGTCTACT GACATCAA

ChIP-qPCR Primers

WNT2	Left Primer CGTGAACCTGTTCCATTGCT CTT	Right Primer ATTCGCCTCCAC ACATACA
------	--	---