

Supplemental Figure 1

Antibodies Used in These Analyses

Antibody Name	Supplier	Catalog #	Dilution	Notes
actin C-11	Santa Cruz	SC-1615	1:2000	
activated β -catenin (ABC)	Millipore	05-665	1:500	Diluted in 1% milk in TBST
axin 1	Cell Signaling	C76H11	1:1000	
β -catenin	BD Biosciences	610153	1:2000	
Tankyrase	AbCam	ab13587	1:500	Used to detect murine Tnks1
Tankyrase 1	Santa Cruz	SC-8708-R	1:1000	Used to detect human Tnks1
Tankyrase 2	Everest Biotech	EB08220	1:1000	

Real-Time PCR Primers Used in These Analyses

Name	Species	Forward Primer (5'-3')	Reverse Primer (5'-3')
β -actin	human	GCTACGAGCTGCCTGACGG	GATGGAGTTGAAGGTAGTTTCG
GAPDH	human	ATGGGGAAGGTGAAGGTCTG	GGGGTCATTGATGGCAACAATA
Tnks1	human	GCAGTACCACCAGCACAAATC	AGGGGAGGATGGAGAGGAAG
Tnks2	human	ATCTGCTCTGCCCTTTGTTACAA	GCTAAAATCTACTCCTGGAACCTC
Wif1	human	GGTCCACGGACCTCACTGT	AGTCACACAAAGTCCACCATTCA
β -actin	mouse	TTGTCCCCCAACTTGATGT	GCCCTGGCTGCCTCAAC
GAPDH	mouse	AGGTCGGTGTGAACGGATTG	TGTAGACCATGTAGTTGAGGTCA
Tnks1	mouse	GTCTACTCCGTTACACCTGGC	TGAAGAGGTACAAGTCCACCTTT
Tnks2	mouse	CGCCCGAGAAGGTGAACAG	TTTGCACCGTTCTGAAGAAGAT
Wif1	mouse	GATTTCAGGAAAGCCCAACAAGAA	GTTGGATCTGCCATGATGCCTTT

siRNAs Used in These Analyses

Name	Gene Target	Species	Duplex Forward Oligo (5'-3')	Duplex Reverse Oligo (5'-3')
Control	scrambled	human + mouse	CGUUAUACGCGUAUUAUACGCGUAT	AUACGCGUAUUAUACGCGAUUAACGAC
Tnks1.1	Tnks1	mouse	GGAUUGUUGAAGACACUUGCUGCAG	CUGCAGCAAGUGUUCUACAACAUCCUU
Tnks1.3	Tnks1	mouse	GCACGGAGCAAAGAUGAUGCACTG	CAGUGCAUUCUUCUUGCUCGUGCUU
Tnks2.3	Tnks2	mouse	AGGUUAUUGCUUUGGAUAGUCUUGG	CCAAGACUAUCCAAGCAUUAACCUUU
Tnks2.5	Tnks2	mouse	CGGAUGUCCAAUUCACAAAGACAGA	UCUGUCUUUGUGAAUUGGACAUCCGGU
Tnks1.2	Tnks1	human	GGCAAGCAAUUAUGUAGAUUAACA	UGUUAUCUACAUUUAUUGCUUGCCAU
Tnks1.3	Tnks1	human	GCAUGUUAAGUCCUCUAGUCAUCA	UGAUGACUAGAGGACUUAACAUGCUG
Tnks2.1	Tnks2	human	AGCUCAUUAUGAUGUUGUUGAAGTA	UACUUAACAACAUCUUAUUGAGCUUU
Tnks2.2	Tnks2	human	GGAACAUAAUGAUGAUGUUAUAUTT	AAAUGUAACAUCUUAUUGUUCUUA

shRNAs Used in These Analyses

Name	Gene Target	Backbone	TRC Identifier	Notes
pLKO.1-CMV-Neo shCTRL	scrambled	pLKO.1-CMV-Neo (G418 selectable)	n/a	Scrambled sequence from SHC202 custom-cloned by Sigma Aldrich
Tnks1.2	murine Tnks1	pLKO.1-CMV-Neo (G418 selectable)	TRCN0000238900	custom-cloned by Sigma Aldrich
Tnks1.3	murine Tnks1	pLKO.1-CMV-Neo (G418 selectable)	TRCN0000238901	custom-cloned by Sigma Aldrich
TRC2 shCTRL	scrambled	TRC2 (puromycin selectable)	n/a	Sigma product SHC202
Tnks2.1	murine Tnks2	TRC2 (puromycin selectable)	TRCN0000111416	
Tnks2.3	murine Tnks2	TRC2 (puromycin selectable)	TRCN0000111418	