

Immunotag™ SFRP1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1999
Product Description	Immunotag™ SFRP1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SFRP1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SFRP1 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SFRP1 FRP FRP1 SARP2
Accession No.	Q8N474 Q8C4U3 Q9R168
Description	secreted frizzled related protein 1(SFRP1) Homo sapiens This gene encodes a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. Members of this family act as soluble modulators of Wnt signaling; epigenetic silencing of SFRP genes leads to deregulated activation of the Wnt-pathway which is associated with cancer. This gene may also be involved in determining the polarity of photoreceptor cells in the retina. [provided by RefSeq, Sep 2009],

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Cell Pathway/ Category	WNT,WNT-T CELL
Protein Expression	Brain,Embryonic lung fibroblast,Heart,Hippocampus,
Subcellular Localization	extracellular region,proteinaceous extracellular matrix,extracellular space,intracellular,cytosol,plasma membrane,cell surface,integral component of membrane,extracellular matrix,extracellular exosome,
Protein Function	<p>domain:The FZ domain is involved in binding with Wnt ligands.,function:Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP1 decreases intracellular beta-catenin levels (By similarity). Has antiproliferative effects on vascular cells, in vitro and in vivo, and can induce, in vivo, an angiogenic response. In vascular cell cycle, delays the G1 phase and entry into the S phase (By similarity). In kidney development, inhibits tubule formation and bud growth in metanephroi (By similarity). Inhibits WNT1/WNT4-mediated TCF-dependent transcription.,induction:Down-regulated in colorectal and breast tumors. Up-regulated in uterine leiomyomas under high estrogenic conditions. Expression, in leiomyomal cells, also increased both under hypoxic and serum deprivation conditions.,mass spectrometry:Isoform N-glycosylated on Asn-173 PubMed:11741940,miscellaneous:May have therapeutic use in cardiac surgery.,similarity:Belongs to the secreted frizzled-related protein (sFRP) family.,similarity:Contains 1 FZ (frizzled) domain.,similarity:Contains 1 NTR domain.,subcellular location:Cell membrane or extracellular matrix-associated. Released by heparin-binding.,subunit:Interacts with WNT1, WNT2 and FRZD6. Interacts with WNT4 and WNT8.,tissue specificity:Widely expressed. Absent from lung, liver and peripheral blood leukocytes. Highest levels in heart and fetal kidney. Also expressed in testis, ovary, fetal brain and lung, leiomyomal cells, myometrial cells and vascular smooth muscle cells. Expressed in foreskin fibroblasts and in keratinocytes.,</p>
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.