Anti-SFRP1 antibody

Description	Unconjugated Rabbit polyclonal to SFRP1

Model	STJ192103
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	6422
Gene Symbol	SFRP1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	SFRP1 Polyclonal Antibody detects endogenous levels of protein.
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.
Purification	SFRP1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Secreted frizzled-related protein 1 FRP-1 sFRP-1 Secreted apoptosis-related protein 2 SARP-2
Molecular Weight	34 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10776OMIM:604156
Alternative Names	Secreted frizzled-related protein 1 FRP-1 sFRP-1 Secreted apoptosis-related protein 2 SARP-2
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 . 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 . In kidney development, inhibits tubule formation and bud growth in metanephroi . Inhibits WNT1/WNT4-mediated TCF-dependent transcription.
Sequence and Domain Family	The FZ domain is involved in binding with Wnt ligands.
Cellular Localization	Secreted. Cell membrane or extracellular matrix-associated. Released by heparin-binding.