Immunoway
Best Tools for immunology Research

SFRP4 Polyclonal Antibody

Catalog No :	YN1995
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	SFRP4
Fields :	>>Wnt signaling pathway
Gene Name :	SFRP4 FRPHE
Protein Name :	Secreted frizzled-related protein 4 (sFRP-4) (Frizzled protein, human endometrium) (FrpHE)
Human Gene Id :	6424
Human Swiss Prot No :	Q6FHJ7
Mouse Swiss Prot No :	Q9Z1N6
Rat Swiss Prot No :	Q9JLS4
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	SFRP4 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 38kD

Cell Pathway : WNT;WNT-T CELL

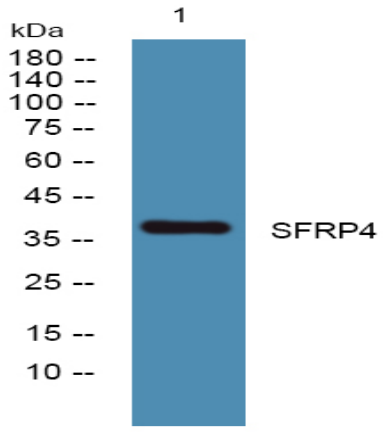
Background : Secreted frizzled-related protein 4 (SFRP4) is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. The expression of SFRP4 in ventricular myocardium correlates with apoptosis related gene expression. [provided by RefSeq, Jul 2008],

Function : disease:Associated with tumor-induced osteomalacia, a disorder in which there is an increase in renal phosphate excretion and a reduction in serum phosphate levels leading to hyperphosphaturia, hypophosphatemia and rickets.,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. SFRP4 may act as a regulator of adult uterine morphology and function. Increases apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling (By similarity). Has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake.,induction:Increased levels in failing myocardium. Up-regulated in several tumor types including ostomalacia-associated tumors and en

Subcellular Location : Secreted . Cytoplasmic in ovarian tumor cells.

Expression : Expressed in mesenchymal cells. Highly expressed in the stroma of proliferative endometrium. Expressed in cardiomyocytes. Shows moderate to strong expression in ovarian tumors with expression increasing as the tumor stage increases. In ovarian tumors, expression levels are inversely correlated with expression of CTNNB1 (at protein level).

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4°over night