10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SFRP4 Antibody

Rabbit mAb
Catalog # AP92031

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	Q6FHJ7
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	FRP4; FrpHE; PYL; Sfrp4;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	39827

Additional Information

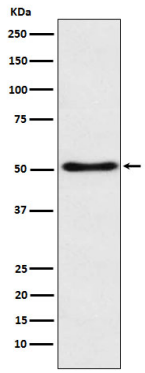
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SFRP4
Description	Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	SFRP4
Synonyms	FRPHE
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 (By similarity). SFRP4 plays a role in bone morphogenesis. May also act as a regulator of adult uterine morphology and function. May also increase apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling (By similarity). Has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake (PubMed:12952927).
Cellular Location	Secreted. Note=Cytoplasmic in ovarian tumor cells
Tissue Location	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).

Images



Western blot analysis of SFRP4 expression in 293T cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.