

Rabbit SFRP3 Antibody | anti-SFRP3 antibody

SFRP3 Antibody

CATALOG #	HOST	APPLICATIONS
AAA267983	Rabbit	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

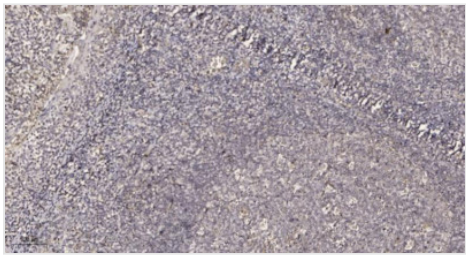
PRODUCT SYNONYMS

SFRP3; SFRP3 Antibody; Secreted frizzled-related protein 3 (sFRP-3) (Frezzed) (Fritz) (Frizzled-related protein 1) (FrzB-1); anti-SFRP3 antibody

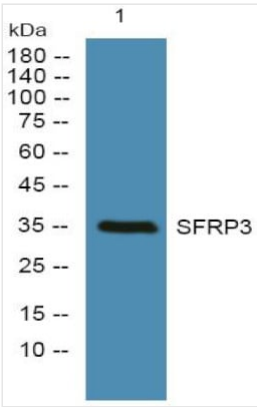
PRODUCT SPECIFICATIONS

Host	Rabbit
Isotype	IgG`
Specificity	SFRP3 Polyclonal Antibody detects endogenous levels of protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	325
Applicable Applications for anti-SFRP3 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthesized peptide derived from human protein . at AA range: 150-230
Conjugation	FITC
Function	disease:Defects in FRZB are associated with female-specific osteoarthritis (OA) susceptibility [MIM:165720]. It is the most prevalent form of arthritis and a common cause of disability.,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. SFRP3/FRZB appears to be involved in limb skeletogenesis. Antagonist of Wnt8 signaling. Regulates chondrocyte maturation and long bone development.,similarity:Belongs to the secreted frizzled-related protein (sFRP) family.,similarity:Contains 1 FZ (frizzled) domain.,similarity:Contains 1 NTR domain.
Subcellular Location	Secreted
Expression	Expressed primarily in the cartilaginous cores of the long bone during embryonic and fetal development and in the appendicular skeleton (6-13 weeks). At 13 weeks of gestation, transcripts were present in early chondroblasts of the tarsal bones of the foot, the carpal bones of the hands and the epiphysis of long bones. Highly expressed in placenta and heart, followed by brain, skeletal muscle, kidney and pancreas. Weakly expressed in lung and liver.
Preparation and Storage	Store at -15°C to -25°C/1 year (Do not lower than -25°C).

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4 ? overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



WB (Western Blot)
Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°over night.

ADDITIONAL INFORMATION

Related Product Information for anti-SFRP3 antibody	Background:The protein encoded by this gene is a secreted protein that is involved in the regulation of bone development. Defects in this gene are a cause of female-specific osteoarthritis (OA) susceptibility. [provided by RefSeq, Apr 2010]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38455388
NCBI GeneID	2487
NCBI Accession #	NP_001454.2
NCBI GenBank Nucleotide #	NM_001463.3
UniProt Accession #	Q92765; O00181; Q99686
Molecular Weight	Observed Band(KD):35kD
NCBI Official Full Name	secreted frizzled-related protein 3
NCBI Official Synonym Full Names	frizzled related protein
NCBI Official Symbol	FRZB
NCBI Official Synonym Symbols	FRE; OS1; FZRB; hFIZ; FRITZ; FRP-3; FRZB1; SFRP3; SRFP3; FRZB-1; FRZB-PEN
NCBI Protein Information	secreted frizzled-related protein 3
UniProt Protein Name	Secreted frizzled-related protein 3
UniProt Gene Name	FRZB
UniProt Synonym Gene Names	FIZ; FRE; FRP; FRZB1; SFRP3; sFRP-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.