

Anti-SFRP1 (RABBIT) Antibody
SFRP1 Antibody
Catalog # ASR5248

Specification

Anti-SFRP1 (RABBIT) Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	This affinity purified antibody has been tested for use in ELISA, western blot, and IHC. This antibody is suitable for immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 37 kDa in size corresponding to Sfrp1 by western blotting in the appropriate cell lysate or extract.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	SFRP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a 12 aa region of human Sfrp1 protein.
Preservative	0.01% (w/v) Sodium Azide

Anti-SFRP1 (RABBIT) Antibody - Additional Information

Gene ID 6422

Other Names
6422

Purity

This affinity purified antibody is directed against human SFRP protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human based on 100% homology for the immunogen sequence. Expect cross reactivity with SFRP1 from mouse, rat and bovine sources as only a single amino acid residue change is found within the immunogen sequence (91% positive by BLAST). Cross reactivity with SFRP1 homologues from other sources has not been determined.

Storage Condition

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted

liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-SFRP1 (RABBIT) Antibody - Protein Information

Name SFRP1

Synonyms FRP, FRP1, SARP2

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.

Cellular Location

Secreted. Note=Cell membrane or extracellular matrix-associated. Released by heparin-binding

Tissue Location

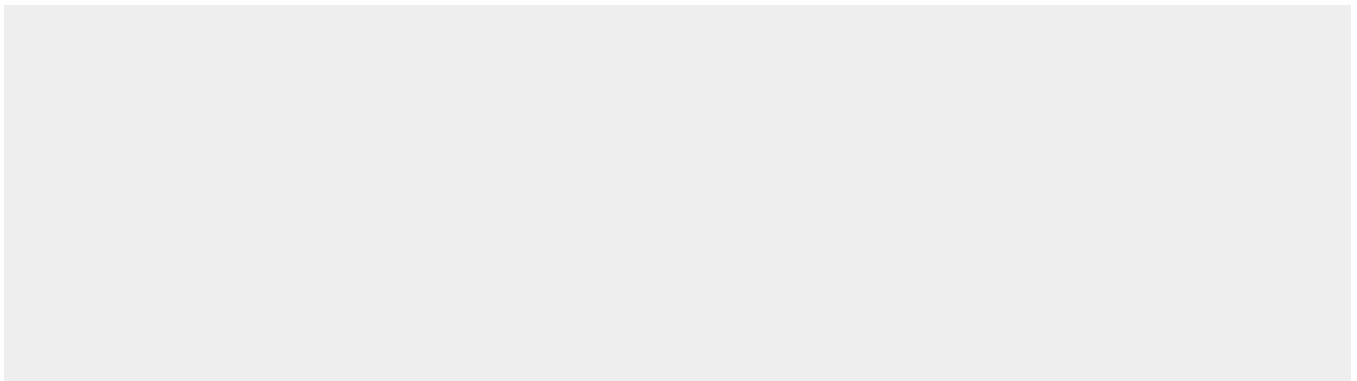
Widely expressed. Absent from lung, liver and peripheral blood leukocytes. Highest levels in heart and fetal kidney Also expressed in testis, ovary, fetal brain and lung, leiomyomal cells, myometrial cells and vascular smooth muscle cells. Expressed in foreskin fibroblasts and in keratinocytes

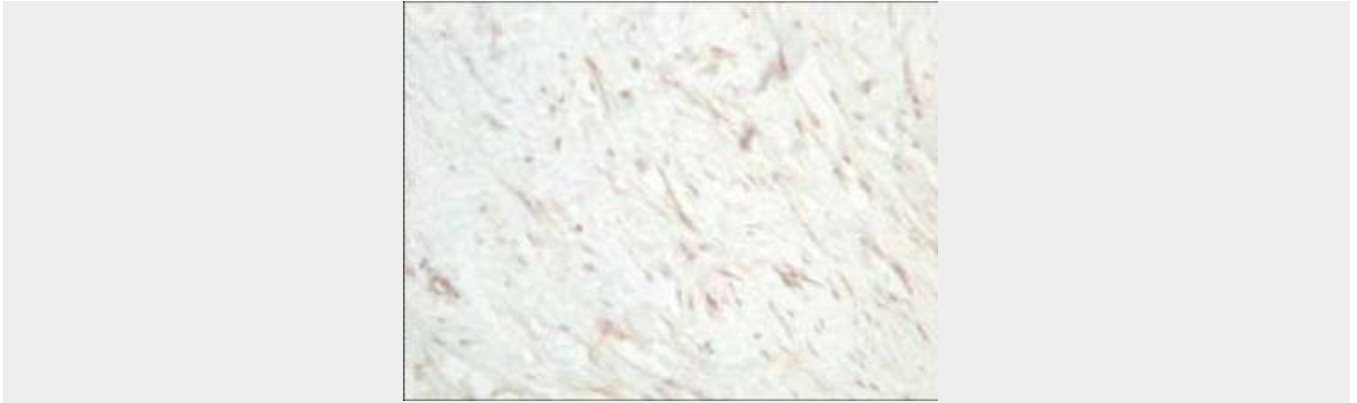
Anti-SFRP1 (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SFRP1 (RABBIT) Antibody - Images





Rockland's Affinity Purified anti-Human SFRP1 antibody was used at a 1:800 dilution for 20 min to detect SFRP in human dermal hypertrophic scar tissue. Tissue was formalin-fixed followed by heat mediated antigen retrieval prior to blocking. HRP Gt-a-Rabbit IgG (p/n 611-1302) is suitable for secondary antibody detection.

Anti-SFRP1 (RABBIT) Antibody - Background

Anti-SFRP1 is a Stem Cell Antibody. SFRP1 (also known as FRP, FRP1, SARP2, Secreted Apoptosis-related Protein 2, Secreted Frizzled-related Protein and Secreted frizzled-related protein 1) 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. SFRP1 and SFRP5 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP1 is expressed in several human tissues, with the highest levels in heart.