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

# SFRP5 Rabbit pAb

Catalog # AP97982

## Product Information

| | |
|---|---|
| **Application** | IHC-P, IHC-F, IF, E |
| **Primary Accession** | Q5T4F7 |
| **Other Accession** | Q5T4F7 |
| **Predicted** | Rat, Human, Mouse, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 35563 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human SFRP5 |
| **Epitope Specificity** | 30-130/317 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. |
| **SIMILARITY** | Belongs to the secreted frizzled-related protein (sFRP) family. Contains 1 FZ (frizzled) domain. Contains 1 NTR domain. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | Secreted frizzled-related protein 5 (SFRP5) 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. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and moderately expressed in the pancreas. [provided by RefSeq, Jul 2008] |

## Additional Information

| | |
|---|---|
| **Gene ID** | 6425 |
| **Other Names** | SARP3; SFRP5_HUMAN; SFRP5; sFRP-5; Frizzled-related protein 1b (FRP-1b); Secreted apoptosis-related protein 3 (SARP-3); FRP1B; secreted frizzled related protein 5; secreted apoptosis related protein 3 |
| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

| | |
|---|---|
| **Name** | SFRP5 |
| **Synonyms** | FRP1B, SARP3 |
| **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. SFRP5 may be involved in determining the polarity of photoreceptor, and perhaps, other cells in the retina. |
| **Cellular Location** | Secreted. |
| **Tissue Location** | Highly expressed in the retinal pigment epithelium (RPE) and pancreas. Weak expression in heart, liver and muscle |

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