

Goat Anti-SFRP2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1984a**Specification**

Goat Anti-SFRP2 Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	Q96HF1
Other Accession	NP_003004 , 6423 , 20319 (mouse) , 310552 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	33490

Goat Anti-SFRP2 Antibody - Additional Information**Gene ID** 6423**Other Names**

Secreted frizzled-related protein 2, FRP-2, sFRP-2, Secreted apoptosis-related protein 1, SARP-1, SFRP2, FRP2, SARP1

DilutionWB~~1:1000
Pep-ELISA~~N/A**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-SFRP2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SFRP2 Antibody - Protein Information**Name** SFRP2**Synonyms** FRP2, SARP1

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. SFRP2 may be important for eye retinal development and for myogenesis.

Cellular Location

Secreted.

Tissue Location

Expressed in adipose tissue, heart, brain, skeletal muscle, pancreas, thymus, prostate, testis, ovary, small intestine and colon. Highest levels in adipose tissue, small intestine and colon

Goat Anti-SFRP2 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](#)

Goat Anti-SFRP2 Antibody - Images

AF1984a (0.1 µg/ml) staining of Human Duodenum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SFRP2 Antibody - Background

This gene encodes 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. Methylation of this gene is a potential marker for the presence of colorectal cancer.

Goat Anti-SFRP2 Antibody - References

Gene methylation of SFRP2, P16, DAPK1, HIC1, and MGMT and KRAS mutations in sporadic colorectal cancer. Pehlivan S, et al. Cancer Genet Cytogenet, 2010 Sep. PMID 20682398.
Oncogenic functions of secreted Frizzled-related protein 2 in human renal cancer. Yamamura S, et

al. Mol Cancer Ther, 2010 Jun. PMID 20501806.

Single nucleotide polymorphisms in Wnt signaling and cell death pathway genes and susceptibility to colorectal cancer. Frank B, et al. Carcinogenesis, 2010 Aug. PMID 20403915.

The SFRP family of WNT inhibitors function as novel tumor suppressor genes epigenetically silenced in medulloblastoma. Kongkham PN, et al. Oncogene, 2010 May 20. PMID 20208569.

cGMP-phosphodiesterase 6, transducin and Wnt5a/Frizzled-2-signaling control cGMP and Ca(2+) homeostasis in melanoma cells. Bazhin AV, et al. Cell Mol Life Sci, 2010 Mar. PMID 19946729.