



## Rabbit Anti-SFRP1 antibody

SL1303R

<b>Product Name:</b>	SFRP1
<b>Chinese Name:</b>	分泌型卷曲相关蛋白1抗体
<b>Alias:</b>	Secreted frizzled related protein 1; Frizzled related protein 1; FRP 1; SARP 2; SARP-2; Secreted apoptosis related protein 2; Secreted Apoptosis-related Protein 2; Secreted frizzled related protein; Secreted Frizzled-related Protein 1; Secreted frizzled-related protein; SFRP 1; sFRP-1; SFRP1; SFRP1_HUMAN; SFRP1; FRP; FRP-1; FRP1; FrzA; SARP2.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b> SL1303R has been referenced in 1 publications. [IF=1.52]Wang, Kun, et al. "MiR-27a regulates Wnt/beta-catenin signaling through targeting SFRP1 in glioma." NeuroReport 26.12 (2015): 695-702. <b>WB;Human.</b> <a href="#">PubMed:26164457</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	33kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SFRP1:201-314/314
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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. Members of this family act as soluble modulators of Wnt signaling; epigenetic silencing of SFRP genes leads to deregulated activation of the Wnt-pathway which is associated with cancer. This gene may also be involved in determining the polarity of photoreceptor cells in the retina. [provided by RefSeq, Sep 2009]</p> <p><b>Function:</b> 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.</p> <p><b>Subunit:</b> Interacts with WNT1, WNT2 and FRZD6. Interacts with WNT4 and WNT8.</p> <p><b>Subcellular Location:</b> Secreted. Note=Cell membrane or extracellular matrix-associated. Released by heparin-binding.</p> <p><b>Tissue Specificity:</b> 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.</p> <p><b>Similarity:</b> Belongs to the secreted frizzled-related protein (sFRP) family. Contains 1 FZ (frizzled) domain. Contains 1 NTR domain.</p> <p><b>SWISS:</b> Q8N474</p> <p><b>Gene ID:</b> 6422</p> <p><b>Database links:</b></p>

[Entrez Gene: 6422](#)Human

[Entrez Gene: 20377](#)Mouse

[Oimim: 604156](#)Human

[SwissProt: Q8N474](#)Human

[SwissProt: Q8C4U3](#)Mouse

[Unigene: 213424](#)Human

[Unigene: 281691](#)Mouse

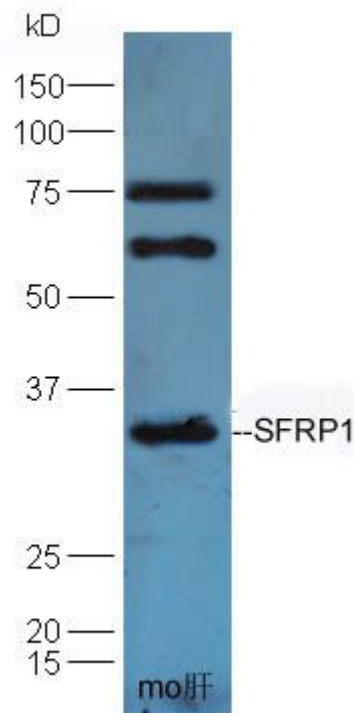
**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

分泌型卷曲相关蛋白1是近来发现的新的抑癌基因,是Wnt信号通道的拮抗通路蛋白,SFRP1能够阻断某些发生在癌症初期与之相关的细胞生长基因的信号通路。

有学者认为:该基因有去甲基化酶的作用,可以阻断与甲基化进程相关酶的活性,进而抑制Tumour基因的改变, SFRP1的作用还有待于更进一步的研究。

**Picture:**



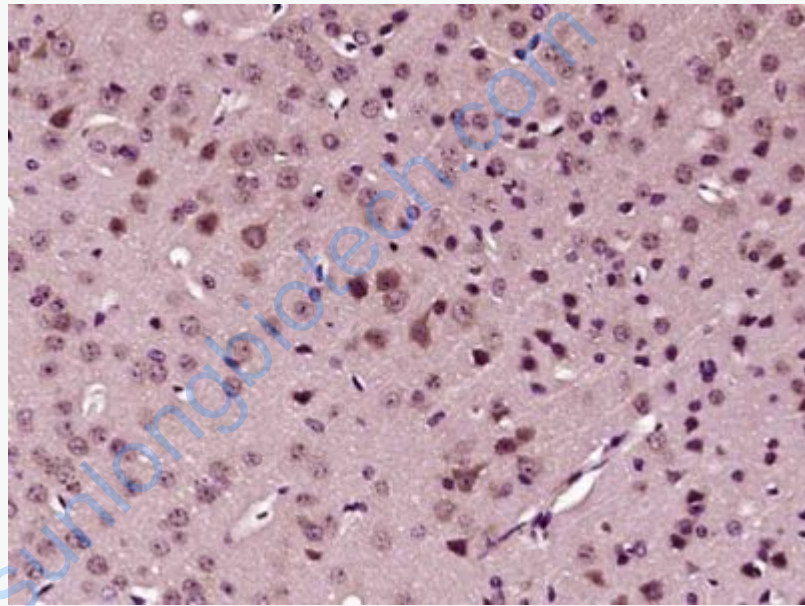
Sample: Liver(Mouse) lysate at 30ug;

Primary: Anti-SFRP1 (SL1303R) at 1:300 dilution;

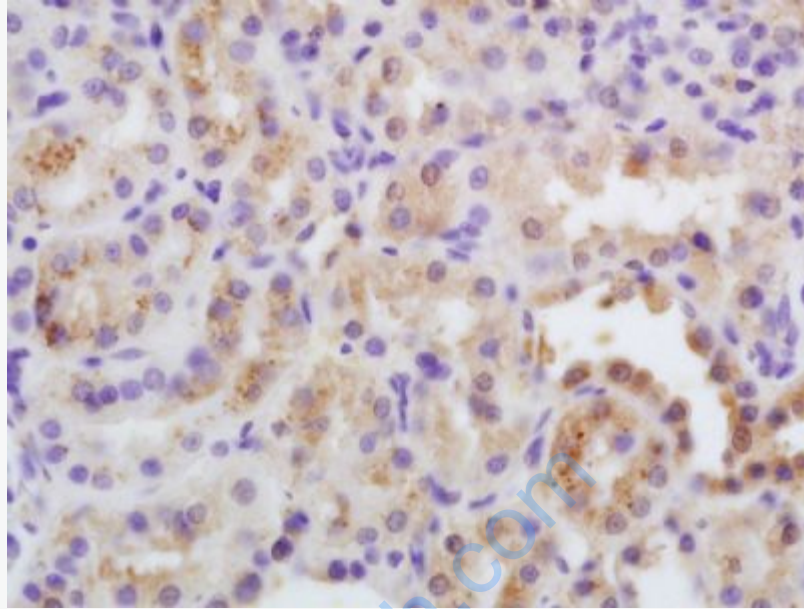
Secondary: HRP conjugated Goat-Anti-Rabbit IgG(SL1303R) at 1: 5000 dilution;

Predicted band size : 33 kD

Observed band size :33 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SFRP1) Polyclonal Antibody, Unconjugated (SL1303R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-SFRP1 Polyclonal Antibody, Unconjugated(SL1303R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining