

## Rabbit Anti-WISP1/AP Conjugated antibody

SL6321R-AP

<b>Product Name</b>	Anti-WISP1/AP
<b>Chinese Name</b>	碱性磷酸酶（AP）标记的 Wnt1 信号通路蛋白 1 抗体
<b>Alias</b>	CCN 4; CCN4; WISP 1; WISP 1c; WISP 1i; WISP 1tc; WISP1c; WISP1i; WISP1tc; WNT 1 induced secreted protein 1; Wnt 1 induced secreted protein; WNT 1 inducible signaling pathway protein 1; Wnt 1 signaling pathway protein 1; WNT1 induced secreted protein 1; Wnt1 induced secreted protein; WNT1 inducible signaling pathway protein 1; Wnt1 signaling pathway protein 1; WISP1_HUMAN
<b>Research Area</b>	Cell biology Signal transduction Stem cells Apoptosis transcriptional regulatory factor Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Rabbit) IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	38kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human WISP1
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> his gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor

(CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like domain. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. It is expressed at a high level in fibroblast cells, and overexpressed in colon tumors. The encoded protein binds to decorin and biglycan, two members of a family of small leucine-rich proteoglycans present in the extracellular matrix of connective tissue, and possibly prevents the inhibitory activity of decorin and biglycan in tumor cell proliferation. It also attenuates p53-mediated apoptosis in response to DNA damage through activation of the Akt kinase. It is 83% identical to the mouse protein at the amino acid level. Multiple alternatively spliced transcript variants have been identified. [provided by RefSeq, Mar 2011].

**Function:**

Downstream regulator in the Wnt/Frizzled-signaling pathway. Associated with cell survival. Attenuates p53-mediated apoptosis in response to DNA damage through activation of AKT kinase. Up-regulates the anti-apoptotic Bcl-X(L) protein. Adheres to skin and melanoma fibroblasts. In vitro binding to skin fibroblasts occurs through the proteoglycans, decorin and biglycan.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Expressed in heart, kidney, lung, pancreas, placenta, ovary, small intestine and spleen. Isoform 2 is expressed predominantly in scirrhous gastric carcinoma and, weakly in placenta. Overexpression is associated with several cancers including breast cancer and colon tumors. Isoform 2 is overexpressed in scirrhous gastric carcinoma.

**Similarity:**

Belongs to the CCN family.

Contains 1 CTCK (C-terminal cystine knot-like) domain.

Contains 1 IGF1BP N-terminal domain.

Contains 1 TSP type-1 domain. [SIMILARITY] Contains 1 VWFC domain.

**Database links:**

UniProtKB/Swiss-Prot: O95388.1

**Important Note:**

This product as supplied is intended for research use only, not for use in



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human, therapeutic or diagnostic applications.