**bs-6321R** **[ Primary Antibody ]**

# WISP1 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 8840 **SWISS:** O95388.1

**Target:** WISP1

**Immunogen:** KLH conjugated synthetic peptide derived from human WISP1: 237-295/367.

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This 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].

**Applications:** **IHC-P** (1:100-500)
**IHC-F** (1:100-500)
**IF** (1:100-500)
**ELISA** (1:5000-10000)

**Reactivity:** (predicted: Human, Mouse, Rat, Rabbit)

**Predicted MW.:** 38 kDa

**Subcellular Location:** Secreted

## SELECTED CITATIONS


- **[IF=5.81]** Jinhao Zeng. et al. Ginsenoside Rb1 Lessens Gastric Precancerous Lesions by Interfering With β-Catenin/TCF4 Interaction. Front Pharmacol. 2021; 12: 682713 WB ;rat. 34594214
- **[IF=2.795]** Chunyu Zhang et al. WISP1 promotes bovine MDSC differentiation via recruitment of ANXA1 for the regulation of the TGF-β signalling pathway. Mol Cell Biochem. 2020 Jul;470(1-2):215-227. WB,IP ;Bovine. 32458119
- **[IF=2.4]** Xu, Wei, et al. "Resveratrol Attenuates Hyperoxia‐induced Oxidative Stress, Inflammation and Fibrosis and Suppresses Wnt/β-catenin Signaling in Lungs of Neonatal Rats." Clinical and Experimental Pharmacology and Physiology(2015). WB ;="Rat". 26174235
- **[IF=2.027]** Sensen Lv. et al. LncRNA NEAT1 Knockdown Alleviates Lipopolysaccharide-Induced Acute Lung Injury by Modulation of miR-182-5p/WISP1 Axis. 2021 May 27 WB ;Mouse. 34046810