### bs-6321R

### [ Primary Antibody ]

# BIOSS ANTIBODIES

## WISP1 Rabbit pAb

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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID:** 8840 **SWISS:** 095388.1

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 Cterminal 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 leucinerich 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 p53mediated 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

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 Secreted Location:

#### — SELECTED CITATIONS —————

2011].

- [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