

bs-5100R**[Primary Antibody]****WISP2 Rabbit pAb****Bioss**
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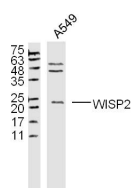
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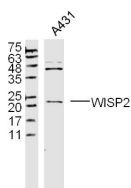
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— DATASHEET —

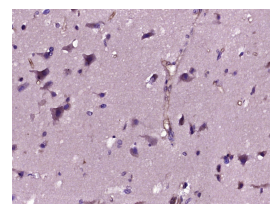
Host: Rabbit Clonality: Polyclonal GeneID: 8839 Target: WISP2 Immunogen: KLH conjugated synthetic peptide derived from human CTGFL: 171-250/2502. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: WISP2 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 (CT) domain. WISP2 lacks the CT domain which is implicated in dimerization and heparin binding. It is 72% identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone turnover.	Isotype: IgG SWISS: O76076 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow) Predicted MW.: 24 kDa Subcellular Location: Secreted
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— VALIDATION IMAGES —

Sample: A549 Cell (Human) Lysate at 40 ug
Primary: Anti-WISP2 (bs-5100R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 24 kD
Observed band size: 24 kD



Sample: A431 Cell (Human) Lysate at 40 ug
Primary: Anti-WISP2 (bs-5100R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 24 kD
Observed band size: 24 kD



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); 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 (WISP2) Polyclonal Antibody, Unconjugated (bs-5100R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.782]** Zolfaghari, Sima. et al. Tissue distribution and transcriptional regulation of CCN5 in the heart after myocardial infarction. 2021 Dec 01 IHC ;Mouse. 34854055

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

- **[IF=2.127]** Sun S et al. CCN5 inhibits proliferation and promotes apoptosis of oral squamous cell carcinoma cells. Cell Biol Int. 2019 Dec 30. WB ;Human. 31889370