bs-1739R **[Primary Antibody]**

Wnt1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7471 **SWISS:** P04628

Target: Wnt1

Immunogen: KLH conjugated synthetic peptide derived from human Wnt1: 251-350/370.

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: The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It is very conserved in evolution, and the protein encoded by this gene is known to be 98% identical to the mouse Wnt1 protein at the amino acid level. The studies in mouse indicate that the Wnt1 protein functions in the induction of the mesencephalon and cerebellum. This gene was originally considered as a candidate gene for Joubert syndrome, an autosomal recessive disorder with cerebellar hypoplasia as a leading feature. However, further studies suggested that the gene mutations might not have a significant role in Joubert syndrome. This gene is clustered with another family member, WNT10B, in the chromosome 12q13 region.

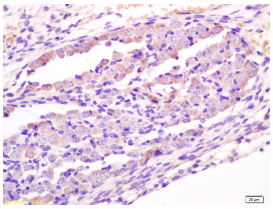
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Cow, Chicken, Horse)

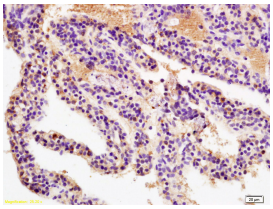
Predicted MW.: 39 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Tissue/cell: mouse embryo 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-Wnt1 Polyclonal Antibody, Unconjugated(bs-1739R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human gastric carcinoma; 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-Wnt1 Polyclonal Antibody, Unconjugated(bs-1739R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=5.4]** Mengwei Zhang. et al.A Novel Scaffold of Icariin/Porous Magnesium Alloy-Repaired Knee Cartilage Defect in Rat by Wnt/β-Catenin Signaling Pathway.ACS Biomaterials Science & Engineering.2024 Sep 9;10(9):5796-5806. IHC ;Rat.

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- **[IF=2.829]** Sung, Hsin-Ju Chiang, et al. "Combined therapy with melatonin and exendin-4 effectively attenuated the deterioration of renal function in rat cardiorenal syndrome." American Journal of Translational Research 9.2 (2017): 214-229. IHC ;Rat. 28337255
- **[IF=2.04]** Gao, Hong, et al. "Comparative study of Hsp27, GSK3β, Wnt1 and PRDX3 in Hirschsprungs disease." International Journal of Experimental Pathology (2014). WB ;Human. 24773279
- **[IF=1.89]** Shan, Shumei, et al. "Wnt/β-catenin pathway is required for epithelial to mesenchymal transition in CXCL12 over expressed breast cancer cells." Int J Clin Exp Pathol 8.10 (2015): 12357-12367. WB ;Human. 26722422
- **[IF=1.56]** Gao, Peng, et al. "Salvianolic acid B improves bone marrow-derived mesenchymal stem cell differentiation into alveolar epithelial cells type I via Wnt signaling." Molecular medicine reports 12.2 (2015): 1971-1976. WB ;Rat. 25892295