bs-1948R **[Primary Antibody]**

WNT5A Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7474 **SWISS:** P41221

Target: WNT5A

Immunogen: KLH conjugated synthetic peptide derived from human WNT5A: 301-381/381.

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 encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012].

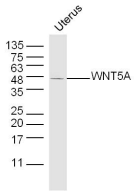
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow)

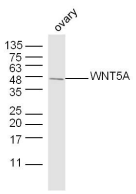
Predicted MW.: 35 kDa

Subcellular Location: Secreted ,Extracellular matrix

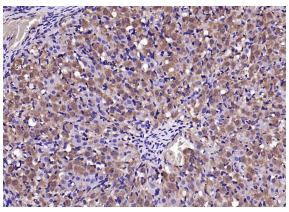
VALIDATION IMAGES



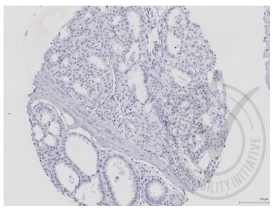
Sample:Uters(Mouse) Lysate at 30 ug Primary: Anti-WNT5A (bs-1948R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 47 kD



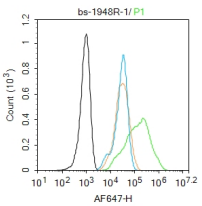
Sample:Ovary(Mouse) Lysate at 30 ug Primary: Anti-WNT5A (bs-1948R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 47 kD



Paraformaldehyde-fixed, paraffin embedded (rat ovary); 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 (WNT5A) Polyclonal Antibody, Unconjugated (bs-1948R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Images provided the Independent Validation



Blank control: HepG2. Primary Antibody (green

Program (badge number 029641)Formalin-fixed and paraffin embedded human breast labeled with Rabbit Anti-WNT5A Polyclonal Antibody (bs-1948R) at 1:250 at room temperature overnight followed by conjugation to secondary antibody.

line): Rabbit Anti-WNT5A antibody (bs-1948R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=14.3]** Mohammad Alhashmi. et al.Skeletal progenitor LRP1 deficiency causes severe and persistent skeletal defects with Wnt pathway dysregulation.BONE RESEARCH.2025 Jan 26;13(1):17. IHC ;Mouse. 39865089
- **[IF=13.6]** Na Sun. et al. Scutellarin targets Wnt5a against zearalenone-induced apoptosis in mouse granulosa cells in vitro and in vivo. J HAZARD MATER. 2023 Nov;:132917 WB ;Mouse. 37979429
- **[IF=8.1]** Fei Yu. et al. Repair of Osteoporotic Bone Defects in Rats via the Sirtuin 1-Wnt/β-catenin Signaling Pathway by Novel Icariin/Porous Magnesium Alloy Scaffolds. Biomaterials Research. 2024 Dec;28:0090 IHC ;Rat. 39655164
- **[IF=5.395]** Yuanchao Zhu. et al. Biomimetic Porous Magnesium Alloy Scaffolds Promote the Repair of Osteoporotic Bone Defects in Rats through Activating the Wnt/β-Catenin Signaling Pathway. ACS BIOMATER-SCI ENG. 2023;XXXX(XXX):XXX-XXX IHC ;Rat. 37200162
- **[IF=4.6]** Ippei Horibe. et al. Acquired curved hair is caused by fusion of multiple hair matrix cells. J DERMATOL SCI. 2024 Feb;: IHC ;Human. 38431439