bs-6134R **[Primary Antibody]**

WNT4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 54361 **SWISS:** P56705

Target: WNT4

Immunogen: KLH conjugated synthetic peptide derived from human WNT4: 201-300/351.

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: Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters (By similarity). Overexpression may be associated with abnormal proliferation in human breast tissue.

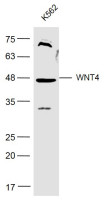
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Dog, Horse)

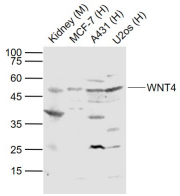
Predicted MW.: 37 kDa

Subcellular Location: Secreted ,Extracellular matrix

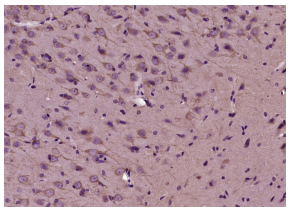
VALIDATION IMAGES



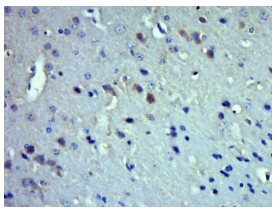
Sample: K562(Human) Cell Lysate at 30 ug Primary: Anti- WNT4 (bs-6134R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 47 kD



Sample: Lane 1: Kidney (Mouse) Lane at 40 ug Lane 2: MCF-7 (Human) Cell Lysate at 30 ug Lane 3: A431 (Human) Cell Lysate at 30 ug Lane 4: U2os (Human) Cell Lysate at 30 ug Primary: Anti-WNT4 (bs-6134R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 47 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (WNT4) Polyclonal Antibody, Unconjugated (bs-6134R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (WNT4) Polyclonal Antibody, Unconjugated (bs-6134R) at 1:400 overnight at

4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=17.694]** Katsumoto, Keiichi. et al. Wnt4 is heterogeneously activated in maturing β-cells to control calcium signaling, metabolism and function. NAT COMMUN. 2022 Oct;13(1):1-15 IHC ;Mouse. 36271049
- **[IF=5.16]** Hua, Jun-yi, et al. "Emodin prevents intima thickness via Wnt4/Dvl-1/β-catenin signaling pathway mediated by miR-126 in balloon-injured carotid artery rats." Experimental & Molecular Medicine 47.6 (2015): e170. IHC ;Rat. 26113441
- **[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=2.69]** Chang et al. Enhanced protection against renal ischemia-reperfusion injury with combined melatonin and exendin-4 in a rodent model. (2016) Exp.Biol.Med.(Maywood. 241:1588-602 IF ;Rat. 27037275
- **[IF=1.257]** Hai Zhao. et al. Oxidative stress caused by a dysregulated Wnt/β-catenin signalling pathway is involved in abnormal placenta formation in pregnant mice with chronic fatigue syndrome. Zygote. 2020 Oct;:1-8 WB,IHC ;Mouse. 33054899