

**bs-1241R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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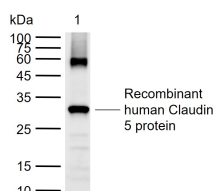
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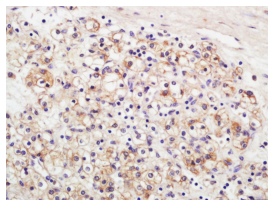
400-901-9800

**Claudin 5 Rabbit pAb****DATASHEET**

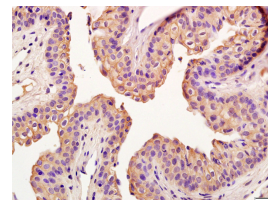
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 7122	<b>SWISS:</b> O00501	
<b>Target:</b> Claudin 5		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human claudin 5: 29-81/218. < Extracellular >		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Dog)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 24 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Extracellular matrix ,Cell membrane
<b>Background:</b> This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2008]		

**VALIDATION IMAGES**

Sample: Lane 1: Recombinant human Claudin 5 protein, N-Trx-His(bs-42296P) Primary: Anti-Claudin 5 (bs-1241R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 24 kDa  
Observed band size: 30 kDa



Tissue/cell: human kidney cancer; 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-Claudin Polyclonal Antibody, Unconjugated(bs-1241R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat penis 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-Claudin-5 Polyclonal Antibody, Unconjugated(bs-1241R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**SELECTED CITATIONS**

- **[IF=7.79]** Ziwei Yuan. et al. Rational design of engineered H-ferritin nanoparticles for siRNA delivery across an in vitro BBB model. Nanoscale. 2022 Mar;; IF ;Mouse. 35416195
- **[IF=5.714]** Yu Y et al. Perfluorooctane sulfonate disrupts the blood brain barrier through the crosstalk between endothelial cells and astrocytes in mice. Environ Pollut. 2019 Oct 24;113429. WB,IHC ;Mouse&Human. 31706766
- **[IF=5.037]** Xin-yu Zhang. et al. Cerebralcare Granule® combined with nimodipine improves cognitive impairment in bilateral carotid artery occlusion rats by reducing lipocalin-2. Life Sci. 2021 Dec;286:120048 IF ;Rat. 34655604

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

- **[IF=4.8]** Liyuan Zhong. et al. Long noncoding RNA H19 knockdown promotes angiogenesis via IMP2 after ischemic stroke. CNS NEUROSCI THER. 2024 Aug;30(8):e70000 WB ;Mouse. 39161158
- **[IF=4]** Xinwen Dong. et al. Fecal microbiota transplantation alleviates cognitive impairment by improving gut microbiome composition and barrier function in male rats of traumatic brain injury following gas explosion. FRONT MICROBIOL. 2024 Nov;15: ;. 39552646