

bs-0790R**[Primary Antibody]****BioSS**
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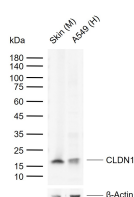
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CLDN1 | Claudin-1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse (predicted: Rat)
GeneID: 9076	SWISS: O95832	
Target: CLDN1 Claudin-1		
Immunogen: KLH conjugated synthetic peptide derived from human CLDN1: 121-211/211. < Cytoplasmic >		Predicted MW.: 23 kDa
Purification: affinity purified by Protein A		Observed MW.: 18 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
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: Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates
(see on figure) probed with CLDN1 polyclonal
antibody, unconjugated (bs-0790R) at 1:1000
dilution and 4°C overnight incubation. Followed
by conjugated secondary antibody incubation at
r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=8.039]** Yifan Zhu. et al. Discovery of Selective P2Y6R Antagonists with High Affinity and In Vivo Efficacy for Inflammatory Disease Therapy. J MED CHEM. 2023;XXXX(XXX):XXX-XXX WB ;Mouse. 37078976
- **[IF=7.5]** Yaowei Sun. et al. Protective impacts of berberine in weaned piglets fed without zinc oxide: Insight of jejunal barrier function, water absorption, and gut microbiota and metabolism. ANIM NUTR. 2025 Nov;; WB ;Piglet. 10.1016/j.aninu.2025.05.012

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

- **[IF=6.5]** Chen Ying. et al. Limosilactobacillus reuteri SXDT-32-derived shikimic acid protects against colonic inflammation in piglets by inhibiting the PI3K-Akt pathway. J ANIM SCI BIOTECHNO. 2025 Dec;16(1):1-15 WB ;Pig. 40514681
- **[IF=6.208]** Zaozao Pan. et al. Protective Effects of Selenium Nanoparticles against Bisphenol A-Induced Toxicity in Porcine Intestinal Epithelial Cells. INT J MOL SCI. 2023 Jan;24(8):7242 WB ;Pig. 37108405
- **[IF=6.2]** Long Cai. et al. Protective effects of genistein and its glycoside sophoricoside against H2O2-induced oxidative stress in porcine enterocytes and their beneficial effect on weaned piglets. Journal of Agriculture and Food Research. 2025 Dec;24:102514 WB ;Pig. 10.1016/j.jafr.2025.102514