

bs-10008R**[Primary Antibody]****Bioss**
ANTIBODIES

www.bioss.com.cn

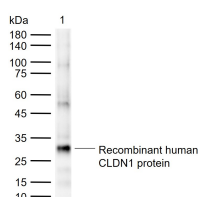
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

CLDN1 | Claudin-1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat)
GeneID: 9076	SWISS: O95832	
Target: CLDN1 Claudin-1		Predicted MW.: 23 kDa
Immunogen: KLH conjugated synthetic peptide derived from human CLDN1: 31-130/211. < Extracellular >		Observed MW.: 30 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
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: 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 —

Sample: Lane 1: Recombinant human CLDN1 protein, N-Trx-His(bs-42307P) Primary: Anti-CLDN1 (bs-10008R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kDa
Observed band size: 30 kDa

— SELECTED CITATIONS —

- **[IF=18]** Qingya Liu. et al. Camptothecin multifunctional nanoparticles effectively achieve a balance between the efficacy of breast cancer treatment and the preservation of intestinal homeostasis. BIOACT MATER. 2024 Nov;41:413 IF ;Mouse,Human. 39184827
- **[IF=13.352]** Guangdong Bai. et al. Perinatal exposure to glyphosate-based herbicides impairs progeny health and

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

- placental angiogenesis by disturbing mitochondrial function. ENVIRON INT. 2022 Dec;170:107579 IF ;Pig. 36265358
- **[IF=12.7]** Zhang Shunfen. et al. Lactobacillus reuteri SKLAN202402ZF inhibited by early-life lincomycin exposure alleviate intestinal damage and inflammation sensitivity. MICROBIOME. 2026 Dec;14(1):87 WB ;Piglet. 41792768
 - **[IF=10.753]** Guangdong Bai. et al. Perinatal exposure to high concentration glyphosate-based herbicides induces intestinal apoptosis by activating endoplasmic reticulum stress in offspring. SCI TOTAL ENVIRON. 2023 Mar;865:161223 IF ;Pig. 36584959
 - **[IF=8.2]** Xiaobin Wen. et al. The PI3K/Akt-Nrf2 Signaling Pathway and Mitophagy Synergistically Mediate Hydroxytyrosol to Alleviate Intestinal Oxidative Damage. INT J BIOL SCI. 2024; 20(11): 4258–4276 WB,IF ;Pig. 39247828