bs-1428R **[Primary Antibody]**

CLDN1 Rabbit pAb

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

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: CLDN1

Immunogen: KLH conjugated synthetic peptide derived from mouse Claudin 1: 121-211/211. < Cytoplasmic >

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: 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]

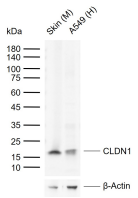
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat)

Predicted MW.: 23 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Mouse Skin tissue lysates Lane 2: Human A549 cell lysates Primary: Anti-CLDN1 (bs-1428R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kDa Observed band size: 17 kDa

SELECTED CITATIONS

- **[IF=9.8]** Yanghuan Yu. et al. MiRNA-seq and mRNA-seq revealed the mechanism of fluoride-induced cauda epididymal injury. SCI TOTAL ENVIRON. 2024 Jun;930:172895 WB,IF ;Mouse. 38697545
- **[IF=8.025]** Jun-ping Liu. et al. Ginger polysaccharides enhance intestinal immunity by modulating gut microbiota in cyclophosphamide-induced immunosuppressed mice. INT J BIOL MACROMOL. 2022 Dec;223:1308 WB ;Mouse. 36395935

- **[IF=7.561]** Zhou Y. et al. The Panda-Derived Lactobacillus plantarum G201683 Alleviates the Inflammatory Response in DSS-Induced Panda Microbiota-Associated Mice.. Front Immunol. 2021 Dec;12:747045-747045 WB ;Mouse. 34956180
- **[IF=7.9]** Keyi Nong. et al. Potential effects and mechanism of flavonoids extract of Callicarpa nudiflora Hook on DSS-induced colitis in mice. PHYTOMEDICINE. 2024 Jun;128:155523 IF ;Mouse. 38489893
- **[IF=7.963]** Jianzhao Liao. et al. Gut microbiota disturbance exaggerates battery wastewater-induced hepatotoxicity through a gut-liver axis. Sci Total Environ. 2022 Feb;809:152188 WB ;Mouse. 34875328