

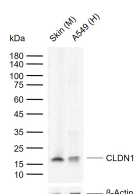
bs-1428R**[Primary Antibody]****Bioss**
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Cldn1 | Claudin-1 Rabbit pAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Applications:** WB (1:500-2000)**Clonality:** Polyclonal**Reactivity:** Human, Mouse
(predicted: Rat)**Target:** Cldn1 | Claudin-1**Immunogen:** KLH conjugated synthetic peptide derived from mouse Claudin 1:
121-211/211. < Cytoplasmic >**Purification:** affinity purified by Protein A**Predicted
MW.:** 23 kDa**Concentration:** 1mg/ml**Observed
MW.:** 17 kDa**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.**Subcellular
Location:** Cell membrane**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: 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=8.5]** Shun Wang. et al. Exploiting an evolutionary constraint: Targeting TatD nuclease with chrysosplenol D disrupts Mycoplasma gallisepticum infection. INT J BIOL MACROMOL. 2025 Sep;321:146394 IF ;Chicken. 40744178
- **[IF=8.3]** Xun Chen. et al. Genkwanin reduces airway epithelial cell ferroptosis and alleviates asthma symptoms in mice.

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

PHYTOMEDICINE. 2025 Sep;:157306 IHC ;Mouse. 41046685

- **[IF=8.2]** Xiangqi Fan. et al. Protective effect of Broussonetia papyrifera leaf polysaccharides on intestinal integrity in a rat model of diet-induced oxidative stress. INT J BIOL MACROMOL. 2024 May;268:131589 WB ;Rat. 38643924
- **[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