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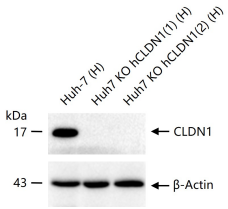
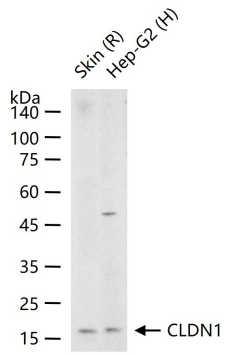
CLDN1 Recombinant Rabbit mAb

Catalog Number:	bsm-60433R
Target Protein:	CLDN1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Clone No.:	B5D10
Isotype:	IgG
Applications:	**WB** (1:500-2000)
Reactivity:	Human, Rat (predicted: Mouse)
Predicted MW:	23 kDa
Subcellular Locations:	Cell membrane
Source:	A synthesized peptide derived from human Claudin 1: 180-211.
Purification:	affinity purified by Protein A
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 monoclonal antibody, unconjugated (bsm-60433R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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PRODUCT SPECIFIC PUBLICATIONS

[IF=8.2] Xinyun Qin. et al. Regulation of the intestinal flora using polysaccharides from Callicarpa nudiflora Hook to alleviate ulcerative colitis and the molecular mechanisms involved. INT J BIOL MACROMOL. 2024 Feb;258:128887 WB ; Mouse . 38118262

[IF=6.1] Zhineng Liu. et al. Oral administration of LfcinB alleviates DSS-induced colitis by improving the intestinal barrier and microbiota. FOOD FUNCT. 2024 Jan;: WB ; Mouse . 10.1039/D3FO05236B

[IF=6.1] Wenjing Zhao. et al. Inhibitory Effects of Soluble Dietary Fiber from Foxtail Millet on Colorectal Cancer by the Restoration of Gut Microbiota. J AGR FOOD CHEM. 2024;72(21):12130–12145 IF ; Mouse . 38748495

[IF=5.2] Lechen Wang. et al. pH Sensitive Quercetin Nanoparticles Ameliorate DSS-Induced Colitis in Mice by Colon-Specific Delivery. MOL NUTR FOOD RES. 2023 Nov;:2300051 IHC,WB ; Mouse . 38010348

[IF=3.5] Li Lei. et al. Long-term Cu exposure alters CYP450s activity and induces jejunum injury and apoptosis in broilers. BIOMETALS. 2023 Nov;:1-12 WB ; Chicken . 37991682