

bs-13754R**[Primary Antibody]****Bioss**
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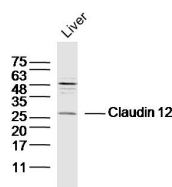
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Claudin 12 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 9069 Target: Claudin 12 Immunogen: KLH conjugated synthetic peptide derived from human Claudin 12: 32-87/244. < Extracellular > 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: The claudin superfamily consists of many structurally related proteins that are important structural and functional components of tight junctions. Claudin-12, also known as CLDN12, is a 244 amino acid multi-pass membrane protein that is expressed in the brain, duodenum, jejunum, ileum, and colon. Claudin-12 localizes to cell junctions and may be involved in tight junction integrity by regulating hyperammonemia. Ammonia can alter brain capillary endothelial cell gene expression and transporter function. Claudin-12 is upregulated in enterocytes through vitamin D receptors which strongly suggest that claudin-12 forms paracellular Ca(2+) channels in intestinal epithelia and may be critical for vitamin D-dependent calcium homeostasis.	Isotype: IgG SWISS: P56749	Applications: WB (1:500-2000) Reactivity: Mouse (predicted: Human, Rat, Pig, Cow, Dog, Horse) Predicted MW.: 24 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
Anti-Claudin 12(bs-13754R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 24kD
Observed band size: 26kD

— SELECTED CITATIONS —

- **[IF=3.775]** Xue Y et al. Chlorogenic acid attenuates cadmium-induced intestinal injury in Sprague–Dawley rats. Food Chem Toxicol. 2019 Aug 4;133:110751. WB ;Rat. 31390532
- **[IF=3.36]** Sadowska, Grazyna B., et al. "Ontogeny of Tight Junction Protein Expression in the Ovine Cerebral Cortex during Development." Neuroscience (2015). WB ;="Sheep". 26424381
- **[IF=2.984]** Ruirui Luo et al. Clostridium perfringens beta2 toxin induced in vitro oxidative damage and its toxic assessment in porcine small intestinal epithelial cell lines. Gene . 2020 Oct 30;759:144999. IF ;pig. 32717305
- **[IF=2.984]** Luo R et al. Clostridium perfringens beta2 toxin induced in vitro oxidative damage and its toxic assessment in porcine small intestinal epithelial cell lines. Gene. 2020 Oct 30;759:144999. WB,IF ;Pig. 32717305

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