

**bs-2788R****[ Primary Antibody ]**

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**Claudin 3 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 1365	<b>SWISS:</b> O15551	
<b>Target:</b> Claudin 3		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Pig, Sheep, Cow, Dog)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CLDN3: 51-150/220.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 23 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cell membrane
<b>Storage:</b> 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.		
<b>Background:</b> 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 intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]		

**— SELECTED CITATIONS —**

- **[IF=7]** Cong Zhang. et al. Maintaining the Mitochondrial Quality Control System Was a Key Event of Tanshinone IIA against Deoxynivalenol-Induced Intestinal Toxicity. ANTIOXIDANTS-BASEL. 2024 Jan;13(1):121 WB ;Pig. 38247545
- **[IF=6.823]** Caijun Zhao. et al. Aryl hydrocarbon receptor activation by Lactobacillus reuteri tryptophan metabolism alleviates Escherichia coli-induced mastitis in mice. Plos Pathog. 2021 Jul;17(7):e1009774 WB ;Mouse. 34297785
- **[IF=6.9]** Yanan Gao. et al. Butyrate improves recovery from experimental necrotizing enterocolitis by metabolite hesperetin through potential inhibition the PI3K-Akt pathway. BIOMED PHARMACOTHER. 2024 Jul;176:116876 WB ;Rat. 38850657
- **[IF=6.1]** Han Gong. et al. Polar lipid-enriched milk fat globule membrane supplementation in maternal high-fat diet promotes intestinal barrier function and modulates gut microbiota in male offspring. FOOD FUNCT. 2023 Nov;; WB ;Rat. 37909908
- **[IF=5.265]** Li, Ke. et al. The Prevention Effect of Lactobacillus plantarum 17-5 on Escherichia coli-Induced Mastitis in Mice. PROBIOTICS ANTIMICRO. 2023 Feb;;1-9 IF, WB ;Mouse. 36790662