

bs-8482R**[Primary Antibody]****CLDN7 Rabbit pAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Sheep, Cow, Dog) Predicted MW.: 22 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 1366	SWISS: O95471	
Target: CLDN7		
Immunogen: KLH conjugated synthetic peptide derived from human CLDN7: 21-100/211. < 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: This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Differential expression of this gene has been observed in different types of malignancies, including breast cancer, ovarian cancer, hepatocellular carcinomas, urinary tumors, prostate cancer, lung cancer, head and neck cancers, thyroid carcinomas, etc.. Alternatively spliced transcript variants encoding different isoforms have been found.[provided by RefSeq, May 2010]		

— SELECTED CITATIONS —

- **[IF=8.786]** Ying Xiao. et al. Matrix metalloproteinase 7 contributes to intestinal barrier dysfunction by degrading tight junction protein Claudin-7.. FRONT IMMUNOL. 2022 Oct;13:1020902-1020902 IHC,WB ;Human, Mouse. 36275703
- **[IF=4.718]** Kline KT et al. Neonatal Injury Increases Gut Permeability by Epigenetically Suppressing E-Cadherin in Adulthood. J Immunol. 2020 Feb 15;204(4):980-989. WB ;Rat. 31889022