

bs-2183R**[Primary Antibody]**

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CLDN11 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)
GeneID: 5010	SWISS: O75508	Predicted MW.: 22 kDa
Target: CLDN11		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human Claudin-11: 101-218/218. < Cytoplasmic >		
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: Oligodendrocyte specific protein (OSP) is the third most abundant component of central nervous system myelin. The claudin superfamily consists of many structurally related proteins. These proteins, which include claudin 1 through 18, are located in both epithelial and endothelial cells in all tight junction bearing tissues. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. There is growing evidence that OSP/Claudin 11 determines the permeability between layers of myelin sheaths via focal adhesion. Its expression is highly regulated during development, suggesting that it may play an important role in the growth and differentiation of oligodendrocytes and other cells outside the CNS. In addition, the protein is a candidate autoantigen in the development of autoimmune demyelinating disease.		

— SELECTED CITATIONS —

- **[IF=4.2]** Zhang, Weidong, et al. "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can be inheritable." Chemosphere (2017). IHC ;Mouse. 29202267
- **[IF=4.067]** Wang X et al. LRRC75A antisense lncRNA1 knockout attenuates inflammatory responses of bovine mammary epithelial cells. International Journal of Biological Sciences. 2020; 16(2): 251-263. WB, ICC ;Bovine. doi:10.7150/ijbs.38214
- **[IF=2.9]** Zhang, Jianhai, et al. "Sodium fluoride and sulfur dioxide affected male reproduction by disturbing blood-testis barrier in mice." Food and Chemical Toxicology (2016). WB ;Mouse. 27237588
- **[IF=2.8]** Zhai J et al. An increase of estrogen receptor α protein level regulates BDE-209-mediated blood-testis barrier disruption during spermatogenesis in F1 mice. (2018) Environ Sci Pollut Res Int. WB, IF, ICC ;Mouse. 30565106
- **[IF=2.8]** Qibing Tao, et al. The miR-34b/MEK/ERK pathway is regulated by NR5A1 and promotes differentiation in primary bovine Sertoli cells. THERIOGENOLOGY. 2024 Feb;215:224 WB ;Bovine. 38100994