

For Research Use Only

Claudin 5 Polyclonal antibody

Catalog Number: 29767-1-AP **9 Publications**



Basic Information

Catalog Number: 29767-1-AP	GenBank Accession Number: BC032363	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 7122	Recommended Dilutions: WB 1:5000-1:50000
Source: Rabbit	UNIPROT ID: O00501	
Isotype: IgG	Full Name: claudin 5	
Immunogen Catalog Number: AG29044	Calculated MW: 218 aa, 23 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : unboiled mouse lung tissue, unboiled rat lung tissue
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	
Cited Species: human, rat, mouse	

Background Information

Claudins are a family of proteins that are the most important components of the tight junctions, where they establish the paracellular barrier that controls the flow of molecules in the intercellular space between the cells of an epithelium. 27 claudins have been identified. They are small (20-27 kilodalton (kDa)) proteins with very similar structure. They have four transmembrane domains, with the N-terminus and the C-terminus in the cytoplasm.

Notable Publications

Author	Pubmed ID	Journal	Application
Guanqiao Liu	38685040	J Neuroinflammation	WB
Dan Liao	38327792	iScience	WB
Ye Xu	38042504	Brain Res Bull	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

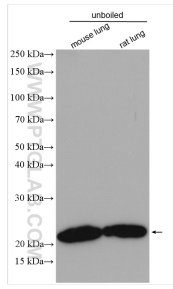
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29767-1-AP (Claudin 5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.