

For Research Use Only

Claudin 5 Polyclonal antibody

Catalog Number: 29999-1-AP



Basic Information

Catalog Number: 29999-1-AP	GenBank Accession Number: BC032363	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 920 µg/ml by Nanodrop;	GeneID (NCBI): 7122	Recommended Dilutions: WB: 1:500-1:1000
Source: Rabbit	UNIPROT ID: O00501	
Isotype: IgG	Full Name: claudin 5	
Immunogen Catalog Number: AG29731	Calculated MW: 218 aa, 23 kDa	
	Observed MW: 23 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

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. Claudin-5 is a tight junction protein primarily expressed in endothelial cells, forming the blood-brain barrier. It regulates paracellular permeability and is crucial for vascular integrity. Altered expression is linked to blood-brain barrier disruption in neurological diseases and cancer metastasis.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

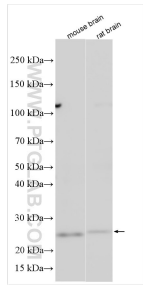
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29999-1-AP (Claudin 5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.