Product Name: **Claudin-5 (phospho Tyr217) Rabbit Polyclonal Antibody**
Catalog #: **APRab04473**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	23kDa

Antigen Information

Gene Name	CLDN5
Alternative Names	CLDN5; AWAL; TMVCF; Claudin-5; Transmembrane protein deleted in VCFS; TMDVCF
Gene ID	7122.0
SwissProt ID	O00501
Immunogen	The antiserum was produced against synthesized peptide derived from human Claudin 5 around the phosphorylation site of Tyr217. AA range:169-218

Background

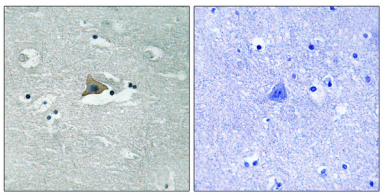
This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction

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. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2008],function:Plays a major role in tight junction-specific obliteration of the intercellular space.,similarity:Belongs to the claudin family.,subunit:Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ.,

Research Area

Cell adhesion molecules (CAMs);Tight junction;Leukocyte transendothelial migration;

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain, using Claudin 5 (Phospho-Tyr217) Antibody. The picture on the right is blocked with the phospho peptide.