

A10207

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## CLDN5 Rabbit pAb

Catalog No.: A10207

28 Publications

### Basic Information

#### Observed MW

22kDa

#### Calculated MW

23kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IF/ICC, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### 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. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

### Recommended Dilutions

WB 1:1000 - 1:5000

IF/ICC 1:50 - 1:200

### Immunogen Information

#### Gene ID

7122

#### Swiss Prot

O00501

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 119-218 of human CLDN5 (NP\_001349995.1).

#### Synonyms

AWAL; BEC1; TMVCF; TMDVCF; CPETRL1; CLDN5

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

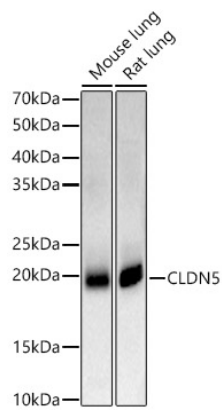
Affinity purification

#### Storage

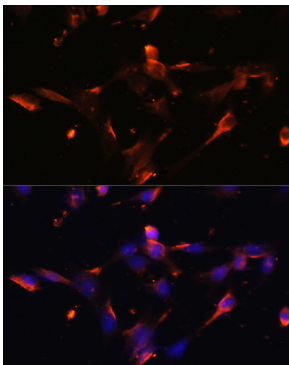
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

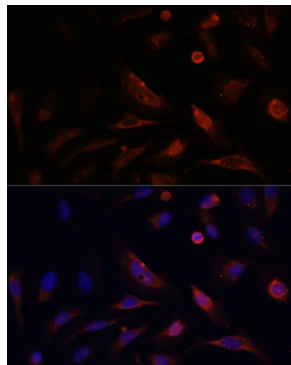
## Validation Data



Western blot analysis of various lysates, using CLDN5 Rabbit pAb (A10207) at 1:2000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Immunofluorescence analysis of NIH/3T3 cells using CLDN5 Rabbit pAb (A10207) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using CLDN5 Rabbit pAb (A10207) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.