

For Research Use Only

# Claudin 9-specific Polyclonal antibody



Catalog Number: 16196-1-AP

2 Publications

## Basic Information

**Catalog Number:**

16196-1-AP

**Size:**

220 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_020982

**GeneID (NCBI):**

9080

**UNIPROT ID:**

O95484

**Full Name:**

claudin 9

**Calculated MW:**

23 kDa

**Observed MW:**

25-29 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat

**Positive Controls:**

WB : HeLa cells,

IP : HeLa cells,

## 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. 23 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. This antibody is specifically against claudin 9.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ze Zhong Mou	33424916	Front Genet	WB
Kratzer Ingrid I	22886143	Histochem Cell Biol	WB, IHC

## 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:

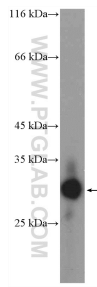
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

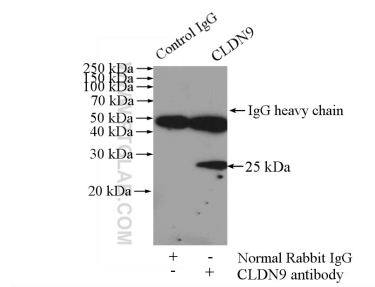
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16196-1-AP (Claudin 9-specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-Claudin 9-specific (IP:16196-1-AP, 4ug; Detection:16196-1-AP 1:300) with HeLa cells lysate 880ug.