

For Research Use Only

# PCDH9 Polyclonal antibody

Catalog Number: 25090-1-AP **2 Publications**



## Basic Information

**Catalog Number:**

25090-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG18696

**GenBank Accession Number:**

BC136626

**GeneID (NCBI):**

5101

**UNIPROT ID:**

Q9HC56

**Full Name:**

protocadherin 9

**Calculated MW:**

1237 aa, 136 kDa

**Observed MW:**

150-180 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

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

IHC 1:250-1:1000

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human gliomas tissue, mouse brain tissue

## Background Information

Protocadherin-9 (PCDH9) is a member of the protocadherin family that belongs to the cadherin superfamily. Protocadherins are calcium-dependent adhesion proteins and have been implicated in neural cell-cell interactions. They are abundantly expressed in the central nervous system during embryonic development and in adulthood (PMID: 24214103). PCDH9 is a single-pass type I membrane protein that contains seven cadherin motifs in its extracellular domain. It might be involved in the formation of specific neural circuits during neural development (PMID: 22982106).

## Notable Publications

Author	Pubmed ID	Journal	Application
Can Shi	31632082	Onco Targets Ther	WB
Leon Tejwani	38016472	Neuron	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:

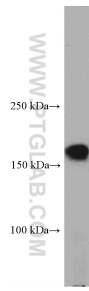
T: 4006900926

E: Proteintech-CN@ptglab.com

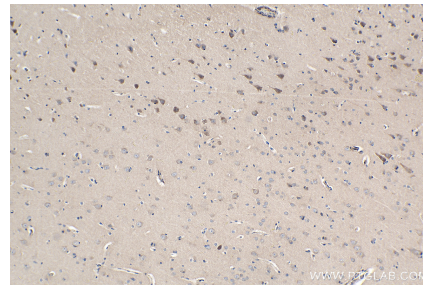
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

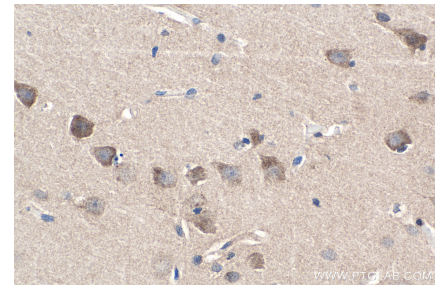
## Selected Validation Data



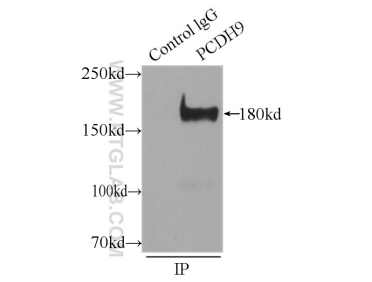
mouse brain tissue were subjected to SDS PAGE followed by western blot with 25090-1-AP (PCDH9 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 25090-1-AP (PCDH9 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 25090-1-AP (PCDH9 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PCDH9 (IP:25090-1-AP, 4ug; Detection:25090-1-AP 1:1000) with mouse brain tissue lysate 5000ug.