

For Research Use Only

PCDH9 Polyclonal antibody

Catalog Number: 25090-1-AP

5 Publications



Basic Information

Catalog Number:

25090-1-AP

Concentration:

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:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF

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
Federico Miozzo	39557582	J Neurosci	IF
Ruixi Li	39279908	Breast Cancer (Dove Med Press)	WB

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

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

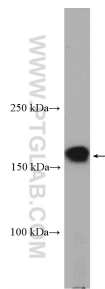
T: 4006900926

E: Proteintech-CN@ptglab.com

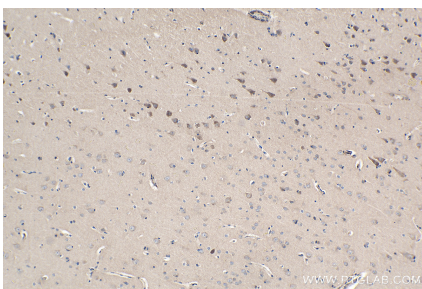
W: ptgcn.com

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

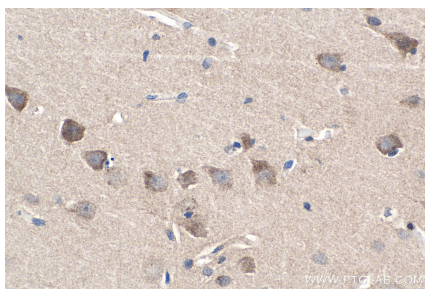
Selected Validation Data



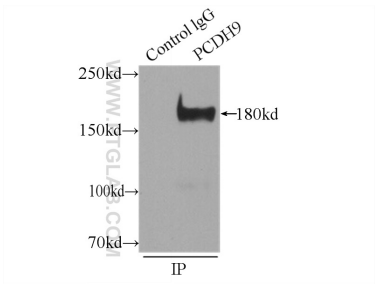
mouse brain tissue were subjected to SDS PAGE followed by western blot with 25090-1-AP (PCDH9 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.