

For Research Use Only

PCDH9 Polyclonal antibody

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



Basic Information

Catalog Number: 25090-1-AP	GenBank Accession Number: BC136626	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5101	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB IHC 1:250-1:1000
Source: Rabbit	Full Name: protocadherin 9	
Isotype: IgG	Calculated MW: 1237 aa, 136 kDa	
Immunogen Catalog Number: AG18696	Observed MW: 150-180 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IP : mouse brain tissue, IHC : human gliomas tissue, mouse brain tissue
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	

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

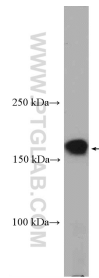
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

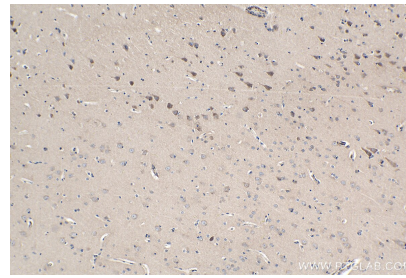
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

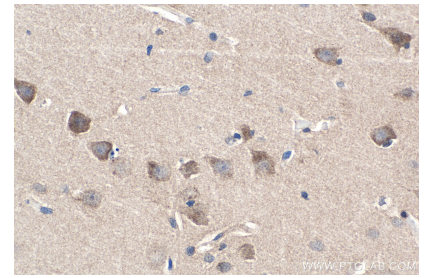
Selected Validation Data



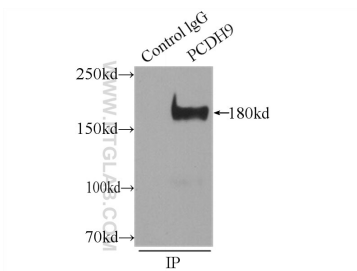
mouse brain tissue were subjected to SDS PAGE followed by western blot with 25090-1-AP (PCDH9 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.