

For Research Use Only

CASPR Polyclonal antibody

Catalog Number: 55417-1-AP

1 Publications



Basic Information

Catalog Number:

55417-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003632

GeneID (NCBI):

8506

UNIPROT ID:

P78357

Full Name:

contactin associated protein 1

Calculated MW:

156 kDa

Observed MW:

180-190 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : mouse brain tissue,

IHC : human cerebellum tissue,

IF-P : mouse cerebellum tissue,

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

CNTNAP1, also named as CASPR, NRXN4, p190, Neurexin IV and Neurexin-4, belongs to the neurexin family. It plays a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. CNTNAP1 seems to demarcate the paranodal region of the axo-glial junction. In association with contactin, CNTNAP1 may have a role in the signaling between axons and myelinating glial cells. This antibody is specific to CNTNAP1.

Notable Publications

Author	Pubmed ID	Journal	Application
Yun-Yun Hu	37409161	Front Psychiatry	IF

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

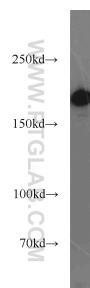
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

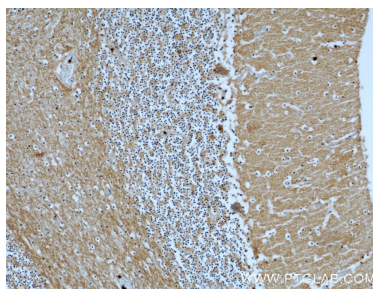
E: proteintech@ptglab.com
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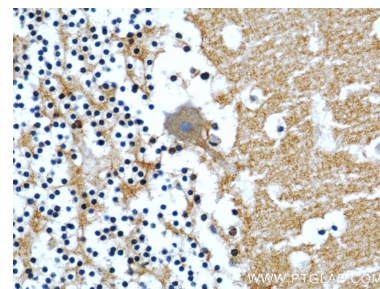
Selected Validation Data



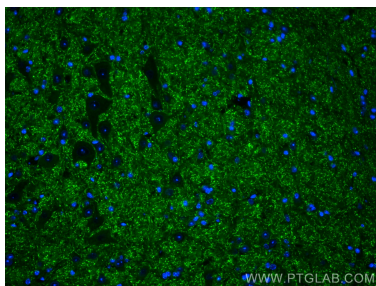
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55417-1-AP (CASPR antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cerebellum using 55417-1-AP (CASPR antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cerebellum using 55417-1-AP (CASPR antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using CASPR antibody (55417-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).