

For Research Use Only

CNTN1 Recombinant monoclonal antibody

Catalog Number:87612-1-RR



Basic Information

Catalog Number: 87612-1-RR	GenBank Accession Number: NM_001843.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1272	CloneNo.: 252906D4
Source: Rabbit	UNIPROT ID: Q12860	Recommended Dilutions: WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: contactin 1	
Immunogen Catalog Number: EG6555	Calculated MW: 113 kDa	
	Observed MW: 135 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IP : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

Background Information

Contactin-1 (CNTN1), also known as Glycoprotein gp135 or Neural cell surface protein F3, is a neuronal cell adhesion molecule of the immunoglobulin superfamily (PMID: 3049624). It consists of six Ig domains, four fibronectin-like motifs, and a glycosylphosphatidylinositol (GPI)-moiety. Expressed by the central and peripheral neurons, CNTN1 contributes to the formation and function of neuronal connections. It plays a role in axon extension and formation of septate-like junctions between axons and myelinating glial cells (PMID: 23724143). In addition, acting as a ligand for Notch, CNTN1 initiates a NOTCH/DTX1 signaling pathway that promotes oligodendrocyte maturation and myelination (PMID: 14567914).

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

*** 20ul sizes contain 0.1% BSA

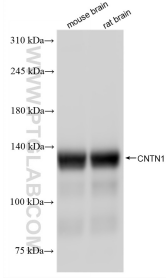
For technical support and original validation data for this product please contact:

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

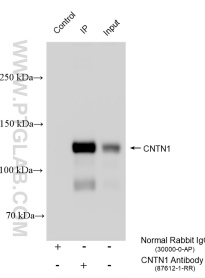
E: proteintech@ptglab.com
W: ptglab.com

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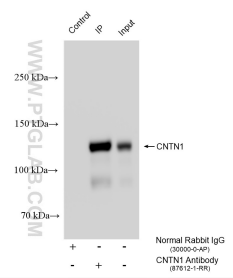
Selected Validation Data



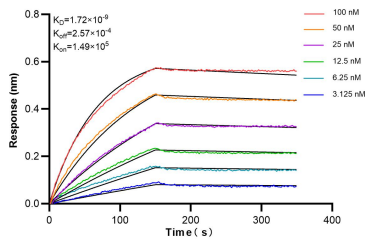
Various lysates were subjected to SDS PAGE followed by western blot with 87612-1-RR (CNTN1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-CNTN1 (IP:87612-1-RR, 4 ug; Detection: 87612-1-RR 1:5000) with mouse brain tissue lysate 1680 ug.



IP result of anti-CNTN1 (IP:87612-1-RR, 4 ug; Detection: 87612-1-RR 1:5000) with rat brain tissue lysate 1720 ug.



Biolayer interferometry (BLI) kinetic assays of 87612-1-RR against Human CNTN1 were performed. The affinity constant is 1.72 nM.