

For Research Use Only

CNTN1 Monoclonal antibody, PBS Only



Catalog Number: 68252-1-PBS

Basic Information

Catalog Number: 68252-1-PBS	GenBank Accession Number: BC036569	Purification Method: Protein G purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1272	CloneNo.: 1C1D4
Source: Mouse	UNIPROT ID: Q12860	
Isotype: IgG1	Full Name: contactin 1	
Immunogen Catalog Number: AG5030	Calculated MW: 1018 aa, 113 kDa	
	Observed MW: 130-135 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, pig, rabbit

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

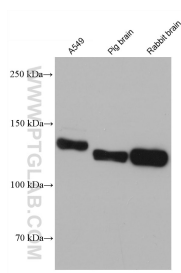
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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



Various lysates were subjected to SDS PAGE followed by western blot with 68252-1-Ig (CNTN1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68252-1-PBS in a different storage buffer formulation.