

For Research Use Only

NPTN Recombinant monoclonal antibody

Catalog Number: 87125-3-RR



Basic Information

Catalog Number: 87125-3-RR	GenBank Accession Number: NM_012428.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 27020	CloneNo.: 252190G4
Source: Rabbit	UNIPROT ID: Q9Y639-2	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: neuroplastin	
Immunogen Catalog Number: EG5652	Calculated MW: 44 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, mouse cerebellum tissue, rat brain tissue, rat cerebellum tissue, SH-SY5Y cells
Species Specificity: human, mouse, rat	

Background Information

Neuroplastin (Nptn) is a member of the Ig superfamily and is expressed in two isoforms, Np55 and Np65. Np65 contains three Ig domains (Ig1, Ig2, Ig3). Np55 contains only two (Ig2, Ig3). Np65 regulates synaptic transmission but the function of Np55 is unknown. Expression of the 65 kD neuroplastin (Np65) isoform derived by alternative splicing from the Nptn gene is restricted to brain neurons, whereas the 55 kD isoform (Np55) is present in most cell types but not in glia. (PMID: 33844052, PMID: 33299977, PMID: 27503893, PMID: 27581460)

Storage

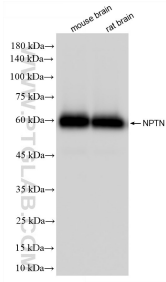
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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 87125-3-RR (NPTN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.