

For Research Use Only

NPTN Polyclonal antibody

Catalog Number: 28022-1-AP



Basic Information

Catalog Number: 28022-1-AP	GenBank Accession Number: BC030773	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 27020	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: neuroplastin	
Isotype: IgG	Calculated MW: 282 aa, 31 kDa	
Immunogen Catalog Number: AG27752	Observed MW: 65 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : C6 cells,
Species Specificity: Human, 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

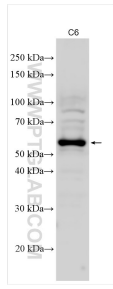
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



C6 cells were subjected to SDS PAGE followed by western blot with 28022-1-AP (NPTN antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.