

For Research Use Only

NPTN Recombinant monoclonal antibody

Catalog Number:87125-3-RR



Basic Information

Catalog Number:

87125-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5652

GenBank Accession Number:

NM_012428.3

GeneID (NCBI):

27020

UNIPROT ID:

Q9Y639-2

Full Name:

neuroplastin

Calculated MW:

44 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

252190G4

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse cerebellum tissue, rat brain tissue, rat cerebellum tissue, SH-SY5Y cells

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

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.