

NPTN Polyclonal antibody

Catalog Number: 28022-1-AP

Basic Information

Catalog Number:

28022-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27752

GenBank Accession Number:

BC030773

GeneID (NCBI):

27020

UNIPROT ID:

Q9Y639

Full Name:

neuroplastin

Calculated MW:

282 aa, 31 kDa

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, rat

Positive Controls:

WB : C6 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:

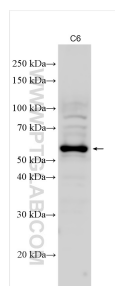
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.