

For Research Use Only

Nogo receptor/NgR1 Polyclonal antibody



Catalog Number: 27143-1-AP

2 Publications

Basic Information

Catalog Number:

27143-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26021

GenBank Accession Number:

BC011787

GeneID (NCBI):

65078

UNIPROT ID:

Q9BZR6

Full Name:

reticulon 4 receptor

Calculated MW:

473 aa, 51 kDa

Observed MW:

64 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB : mouse brain tissue, rat brain tissue

Background Information

Nogo receptor (NgR), also known as reticulon 4 receptor (RTN4R) or Nogo-66 Receptor, is a glycosylphosphatidylinositol (GPI)-linked, leucine-rich repeat (LRR) protein (PMID: 11201742). NgR is expressed predominantly by neurons in the brain. It is the receptor of Nogo-A (Nogo-66), oligodendrocyte myelin protein (OMgp) and myelin-associated glycoprotein (MAG), and mediates inhibition of axonal regeneration (PMID: 12694398). The apparent molecular weight of NgR detected by this antibody is 64 kDa, which is larger than the calculated molecular weight of NgR, probably due to glycosylation (PMID: 15751227; 12694398).

Notable Publications

Author	Pubmed ID	Journal	Application
Rongchun Wang	35092824	J Ethnopharmacol	WB
Yaoling Luo	37982384	Cell Transplant	WB

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

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

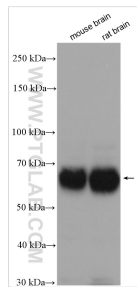
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 27143-1-AP (Nogo receptor antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.