For Research Use Only

Nogo receptor/NgR1 Polyclonal antibody

Catalog Number:27143-1-AP 2 Publications

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Basic Information

Catalog Number:
27143-1-AP

Size:
150ul , Concentration: 300 ug/ml by Nanodrop;

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
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : human brain tissue, mouse 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 wight 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

*** 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
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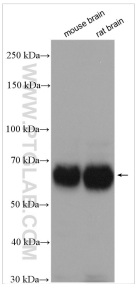
Selected Validation Data



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.

waiting fill.

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