

For Research Use Only

Nogo receptor/NgR1 Polyclonal antibody



Catalog Number: 27143-1-AP

2 Publications

Basic Information

Catalog Number: 27143-1-AP	GenBank Accession Number: BC011787	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop;	GeneID (NCBI): 65078	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: reticulon 4 receptor	
Isotype: IgG	Calculated MW: 473 aa, 51 kDa	
Immunogen Catalog Number: AG26021	Observed MW: 64 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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

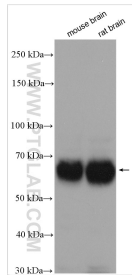
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.