

For Research Use Only

RTN4/NOGO Recombinant monoclonal antibody

Catalog Number: 87573-2-RR



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
87573-2-RR	BC012619	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 µg/ml by Nanodrop;	57142	253002B3
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q9NQC3	WB: 1:1000-1:4000
Isotype:	Full Name:	IF/ICC: 1:50-1:500
IgG	reticulon 4	
Immunogen Catalog Number:	Calculated MW:	
AG37278	130 kDa	
	Observed MW:	
	~50 kDa	

Applications

Tested Applications:	Positive Controls:
WB, IF/ICC, ELISA	WB : A375 cells, A549 cells, HepG2 cells, SH-SY5Y cells, LN-229 cells
Species Specificity:	IF/ICC : SH-SY5Y cells,
human	

Background Information

Reticulon (RTN) proteins are a group of membrane-bound proteins that largely reside in endoplasmic reticulum (ER) (PMID: 18177508). Reticulon proteins share a common sequence feature, the reticulon homology domain (RHD). They are involved in shaping the tubular endoplasmic reticulum network, membrane trafficking, inhibition of axonal growth, and apoptosis (PMID: 24218324). Four mammalian reticulons (RTN1-4) exist. RTN4 (also known as Neurite outgrowth inhibitor or Nogo) is a myelin-associated neurite growth inhibitory protein. Some isoforms of RTN4 have been described. RTN4A (Nogo-A, runs at ~200 kDa), RTN4B (Nogo-B, 40-55 kDa), and RTN4C (Nogo-C, 22-25 kDa) are three major isoforms (PMID: 31092426; 16469703).

Storage

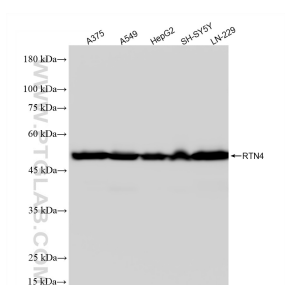
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

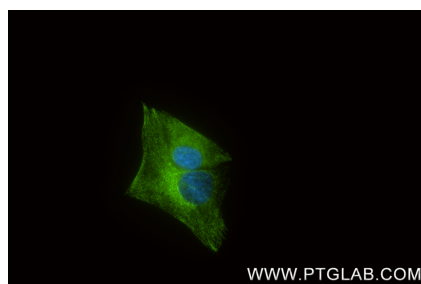
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87573-2-RR (RTN4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using RTN4/NOGO antibody (87573-2-RR, Clone: 253002B3) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).