

For Research Use Only

RTN4/NOGO Recombinant monoclonal antibody

Catalog Number: 87573-2-RR



Basic Information

Catalog Number:

87573-2-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37278

GenBank Accession Number:

BC012619

GeneID (NCBI):

57142

UNIPROT ID:

Q9NQC3

Full Name:

reticulon 4

Calculated MW:

130 kDa

Observed MW:

~50 kDa

Purification Method:

Protein A purification

CloneNo.:

253002B3

Recommended Dilutions:

WB: 1:1000-1:4000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : A375 cells, A549 cells, HepG2 cells, SH-SY5Y cells, LN-229 cells

IF/ICC : SH-SY5Y cells,

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

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

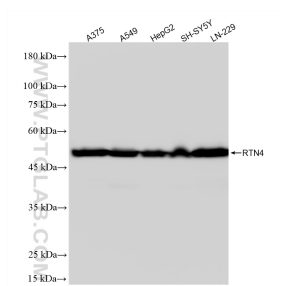
T: 4006900926

E: Proteintech-CN@ptglab.com

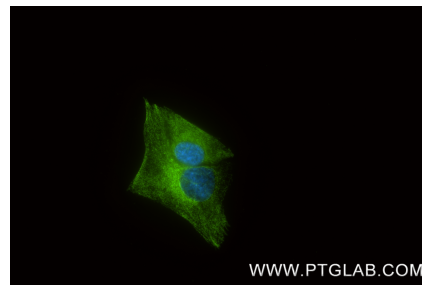
W: ptgcn.com

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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).