

For Research Use Only

CoraLite® Plus 488-conjugated RTN4/NOGO Polyclonal antibody



Catalog Number: CL488-10950

Featured Product

Basic Information

Catalog Number:

CL488-10950

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1392

GenBank Accession Number:

BC012619

GeneID (NCBI):

57142

UNIPROT ID:

Q9NQC3

Full Name:

reticulon 4

Calculated MW:

130 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : A549 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

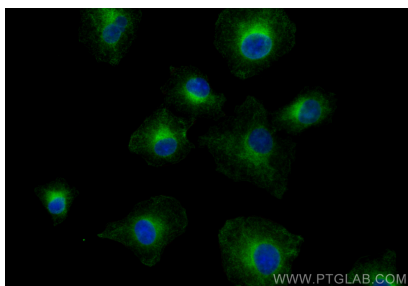
T: 4006900926

E: Proteintech-CN@ptglab.com

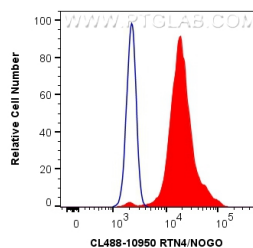
W: ptgcn.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using CoraLite® Plus 488 RTN4/NOGO antibody (CL488-10950) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human RTN4/NOGO (CL488-10950) (red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).