

For Research Use Only

CoraLite® Plus 488-conjugated RTN4/NOGO Polyclonal antibody



Catalog Number: CL488-10740

Basic Information

Catalog Number: CL488-10740	GenBank Accession Number: BC007109	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 57142	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NQC3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: reticulon 4	
Immunogen Catalog Number: AG1164	Calculated MW: 130 kDa	
	Observed MW: 190-210 kDa, 45 kDa, 22-25 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : A549 cells,
Species Specificity: human, mouse, rat	

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:

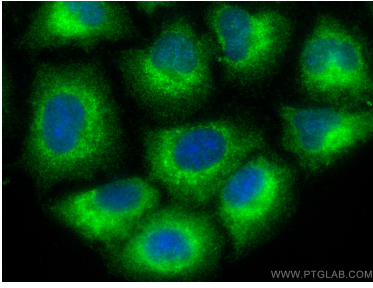
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CoraLite® Plus 488 RTN4/NOGO antibody (CL488-10740) at dilution of 1:200.