

RTN4/NOGO Polyclonal Antibody

Catalog number: 10950-1-AP

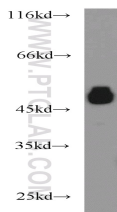
Size: 25 µg/150 µl

Source: Rabbit

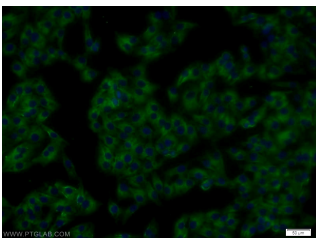
Isotype: IgG

Synonyms:

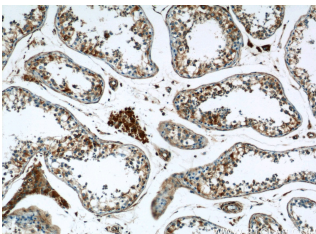
RTN4; ASY, Foccen, KIAA0886, Nbla00271, Nbla10545, Neurite outgrowth inhibitor, NI220/250, NOGO, NOGO A, Nogo B, Nogo C, Nogo protein, NOGOA, NOGOC, NSP, NSP CL, reticulon 4, Reticulon 5, RTN X, RTN4, RTN4 A, RTN4 B1, RTN4 B2, RTN4 C, SP1507



A375 cells were subjected to SDS PAGE followed by western blot with 10950-1-AP(RTN4 antibody) at dilution of 1:1000



Immunofluorescent analysis of A375 cells using 10950-1-AP(RTN4 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human testis tissue slide using 10950-1-AP(RTN4 Antibody) at dilution of 1:50 (under 10x lens)

Background

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. There are three isoforms: Nogo-A, Nogo-B, and Nogo-C.

Applications

Tested applications:	ELISA, WB, IHC, IF
Species specificity:	Human; other species not tested.
Calculated RTN4/NOGO MW:	220 kDa
Observed RTN4/NOGO MW:	45-50 kDa
Positive WB detected in	A375 cells, A549 cells, HepG2 cells, SH-SY5Y cells
Positive IHC detected in	Human testis tissue
Positive IF detected in	A375 cells
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100

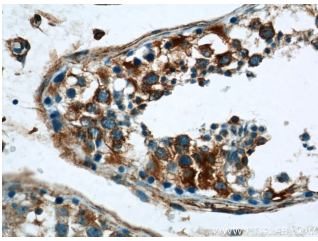
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1392
GenBank accession number:	BC012619
Gene ID (NCBI):	57142
Full name:	Reticulon 4

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunohistochemistry of paraffin-embedded human testis tissue slide using 10950-1-AP (RTN4 Antibody) at dilution of 1:50 (under 40x lens)