

For Research Use Only

RTN4IP1 Polyclonal antibody, PBS Only

Catalog Number: 15636-1-PBS



Basic Information

Catalog Number:

15636-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8100

GenBank Accession Number:

BC006399

GeneID (NCBI):

84816

UNIPROT ID:

Q8WWV3

Full Name:

reticulon 4 interacting protein 1

Calculated MW:

396 aa, 44 kDa

Observed MW:

32-44 kDa, 24 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

RTN4IP1 (Reticulon-4-interacting protein 1, mitochondrial), also known as NIMP. It colocalizes with the endoplasmic reticulum HSPA5 at spots corresponding to contacts with mitochondria (PMID: 26593267), which is widely expressed in mitochondria-enriched tissues. Found in heart, muscle, kidney, liver, brain and placenta (PMID: 12067236). The protein plays a role in the regulation of retinal ganglion cell (RGC) neurite outgrowth, and hence in the development of the inner retina and optic nerve. Appears to be a potent inhibitor of regeneration following spinal cord injury. The protein has three isoforms with molecular weights of 43 kDa, 32 kDa and 24 kDa respectively.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

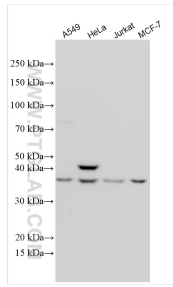
T: 4006900926

E: Proteintech-CN@ptglab.com

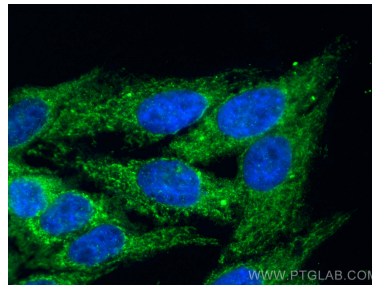
W: ptgcn.com

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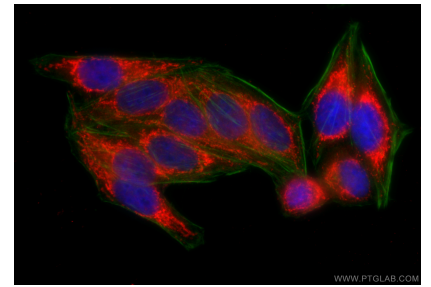
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15636-1-AP (RTN4IP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15636-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RTN4IP1 antibody (15636-1-AP) at dilution of 1:100 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 15636-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RTN4IP1 antibody (15636-1-AP) at dilution of 1:400 and CoraLite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green). This data was developed using the same antibody clone with 15636-1-PBS in a different storage buffer formulation.