

For Research Use Only

RTN4IP1 Polyclonal antibody, PBS Only

Catalog Number: 15636-1-PBS



Basic Information

Catalog Number: 15636-1-PBS	GenBank Accession Number: BC006399	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 84816	
Source: Rabbit	UNIPROT ID: Q8WWV3	
Isotype: IgG	Full Name: reticulon 4 interacting protein 1	
Immunogen Catalog Number: AG8100	Calculated MW: 396 aa, 44 kDa	
	Observed MW: 32-44 kDa, 24 kDa	

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

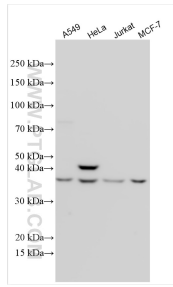
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

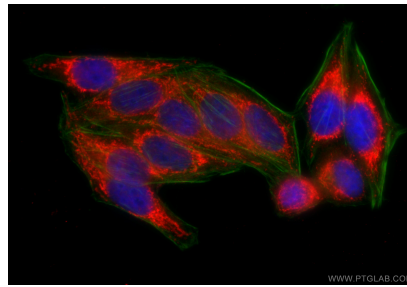
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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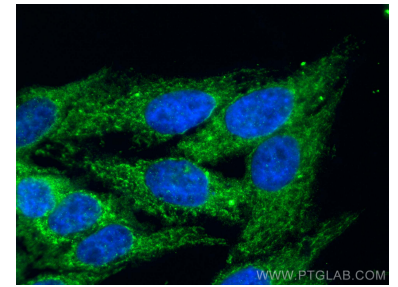
Selected Validation Data



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 1:400 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.



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.