

For Research Use Only

RTN4IP1 Polyclonal antibody

Catalog Number: 15636-1-AP



Basic Information

Catalog Number: 15636-1-AP	GenBank Accession Number: BC006399	Purification Method: Antigen affinity purification
Concentration: 500 ug/ml	GeneID (NCBI): 84816	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: Q8WWV3	IF/ICC 1:200-1:800
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, ELISA	Positive Controls:
Species Specificity: human	WB : A549 cells, HeLa cells, Jurkat cells, MCF-7 cells
	IF/ICC : HepG2 cells,

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

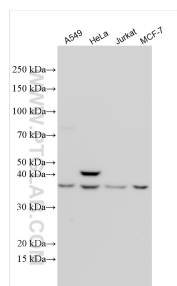
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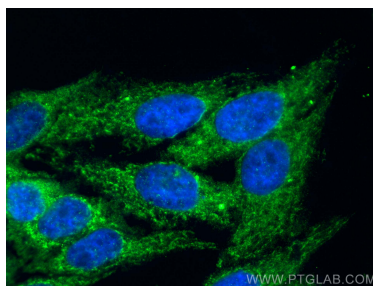
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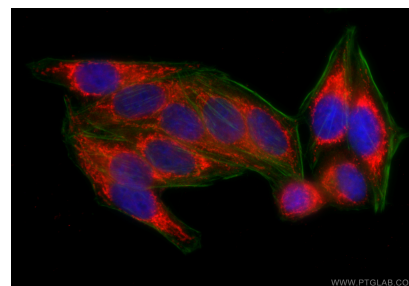
Selected Validation Data



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.



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).



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).