

For Research Use Only

RTN3 Monoclonal antibody

Catalog Number: 68215-1-Ig



Basic Information

Catalog Number: 68215-1-Ig	GenBank Accession Number: BC011394	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10313	CloneNo.: 1E3H11
Source: Mouse	Full Name: reticulon 3	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Isotype: IgG1	Calculated MW: 113 kDa	
Immunogen Catalog Number: AG13766	Observed MW: 25-28 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Species Specificity: Human	WB: A549 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells
	IP: A549 cells,

Background Information

Reticulon (RTN) proteins are a group of membrane-bound proteins that largely reside in endoplasmic reticulum (ER). Reticulon proteins share a common sequence feature, the reticulon homology domain (RHD). Four mammalian reticulons (RTN1-4) exist. Reticulon3 (RTN3) is highly expressed in neurons. RTN3 has been shown to modulate secretory pathway protein trafficking. It is a negative modulator of BACE1 (β -secretase) proteolytic activity. RTN3 may induce caspase-8 cascade and apoptosis and may favor BCL2 translocation to the mitochondria upon endoplasmic reticulum stress.

Storage

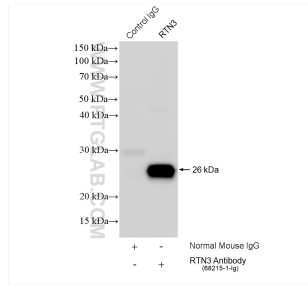
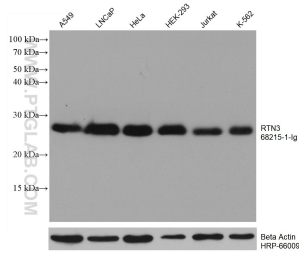
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68215-1-Ig (RTN3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.

IP result of anti-RTN3(IP:68215-1-Ig, 4ug; Detection:68215-1-Ig 1:2000) with A549 cells lysate 840 ug.