

RTN3 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68215-1-PBS

Basic Information

Catalog Number: 68215-1-PBS	GenBank Accession Number: BC011394	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 10313	CloneNo.: 1E3H11
Source: Mouse	UNIPROT ID: O95197	
Isotype: IgG1	Full Name: reticulon 3	
Immunogen Catalog Number: AG13766	Calculated MW: 113 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications:
WB, IP, Sandwich ELISA, Indirect ELISA

Species Specificity:
Human

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

Storage Buffer:
100% PBS pH 7.3

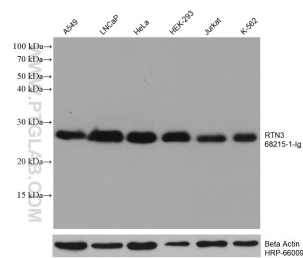
For technical support and original validation data for this product please contact:

T: 4006900926

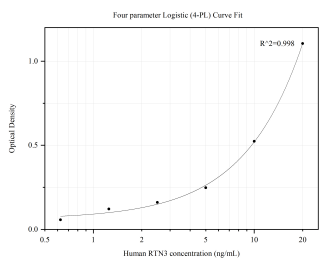
E: Proteintech-CN@ptglab.comW: ptgcn.com

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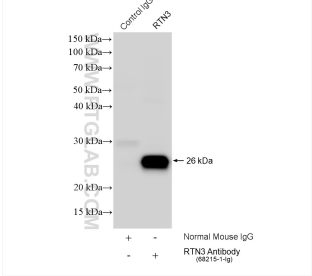
Selected Validation Data



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. This data was developed using the same antibody clone with 68215-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve ofMP50025-1, RTN3 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68215-2-PBS. Detection antibody: HRP-conjugated 68215-1-PBS. Standard: Ag13766. Range: 0.625-20 ng/mL.



IP result of anti-RTN3 (IP:68215-1-Ig, 4ug; Detection:68215-1-Ig 1:2000) with A549 cells lysate 840 ug. This data was developed using the same antibody clone with 68215-1-PBS in a different storage buffer formulation.