

For Research Use Only

RTN3 Monoclonal antibody

Catalog Number: 68215-1-Ig



Basic Information

Catalog Number:

68215-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13766

GenBank Accession Number:

BC011394

GeneID (NCBI):

10313

UNIPROT ID:

O95197

Full Name:

reticulon 3

Calculated MW:

113 kDa

Observed MW:

25-28 kDa

Purification Method:

Protein G purification

CloneNo.:

1E3H11

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

Human

Positive Controls:

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

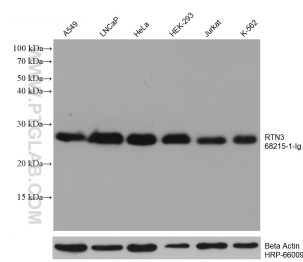
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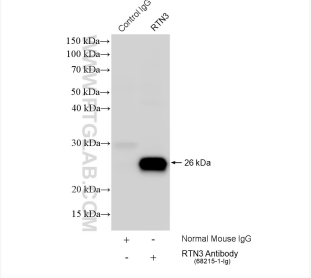
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Selected Validation Data



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.



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