

RTN1 (Isoform RTN1-C) Polyclonal antibody

Catalog Number: 15048-1-AP

Featured Product

6 Publications

Basic Information

Catalog Number:

15048-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7031

GenBank Accession Number:

BC000314

GeneID (NCBI):

6252

UNIPROT ID:

Q16799

Full Name:

reticulon 1

Calculated MW:

84 kDa, 39 kDa, 24 kDa

Observed MW:

23 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, human brain tissue, rat brain tissue

IHC : mouse cerebellum tissue, human brain tissue, human placenta tissue, mouse brain tissue

Background Information

Reticulon (RTN) proteins are a group of membrane-bound proteins that largely reside in endoplasmic reticulum (ER) (PMID: 18177508). Reticulon proteins share a common sequence feature, the reticulon homology domain (RHD). They are involved in shaping the tubular endoplasmic reticulum network, membrane trafficking, inhibition of axonal growth, and apoptosis (PMID: 24218324). Four mammalian reticulons (RTN1-4) exist. Human RTN1 (also known as NSP) gene is expressed predominantly in neuroendocrine tissues, and produces three isoforms termed RTN1-A (NSP-A), RTN1-B (NSP-B), and RTN1-C (NSP-C). This antibody is raised against the full-length protein of human RTN1-C.

Notable Publications

Author	Pubmed ID	Journal	Application
Lingli Gong	28981095	Cell Death Dis	WB, IF
Peng-Peng Zhu	35348668	Hum Mol Genet	WB
Jun Ling	33372676	Acta Biochim Biophys Sin (Shanghai)	WB

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

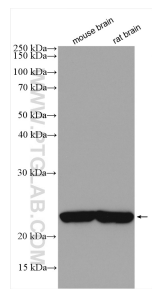
For technical support and original validation data for this product please contact:

T: 4006900926

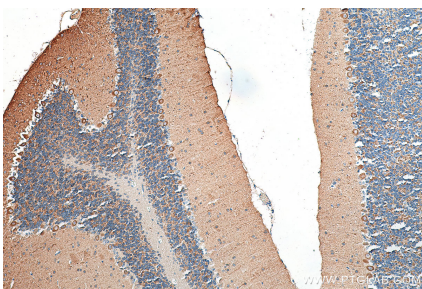
E: Proteintech-CN@ptglab.comW: ptgcn.com

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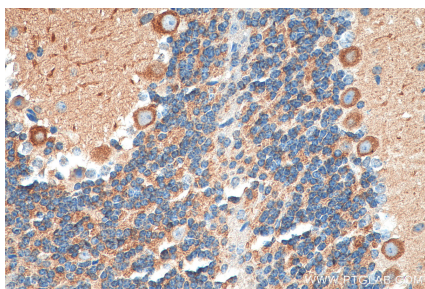
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15048-1-AP (RTN1 (Isoform RTN1-C) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 15048-1-AP (RTN1 (Isoform RTN1-C) antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 15048-1-AP (RTN1 (Isoform RTN1-C) antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).