

For Research Use Only

RTN2 Polyclonal antibody

Catalog Number: 11168-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

11168-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1655

GenBank Accession Number:

BC014244

GeneID (NCBI):

6253

UNIPROT ID:

O75298

Full Name:

reticulon 2

Calculated MW:

59 kDa, 51 kDa, 22 kDa

Observed MW:

20-23 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IP, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 skeletal muscle tissue, human skeletal muscle tissue

IHC : human skeletal muscle 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 RTN2 gene produces three isoforms termed RTN2-A, RTN2-B, and RTN2-C. Isoform RTN2-C has a calculated molecular weight of 22 kDa and is highly expressed in skeletal muscle.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaojiao Zheng	36177918	Mol Med Rep	IHC
Shushu Song	35428758	Cell Death Dis	WB,IHC
Hector Foronda	37225994	Nature	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:

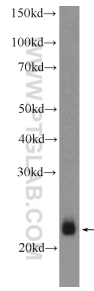
T: 4006900926

E: Proteintech-CN@ptglab.com

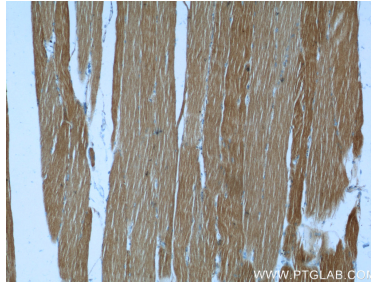
W: ptgcn.com

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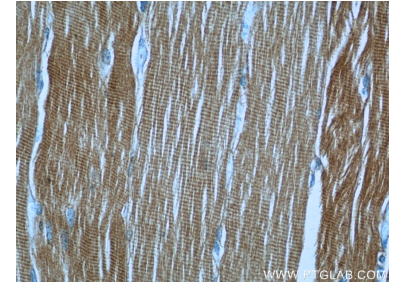
Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 11168-1-AP (RTN2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle slide using 11168-1-AP (RTN2 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle slide using 11168-1-AP (RTN2 Antibody) at dilution of 1:50.