

For Research Use Only

RTN2 Polyclonal antibody

Catalog Number: 11168-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

11168-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

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:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IP

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 |
| Shue Chen | 39133213 | J Cell Biol | 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

*** 20ul sizes contain 0.1% BSA

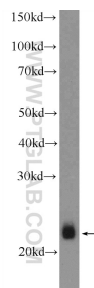
For technical support and original validation data for this product please contact:

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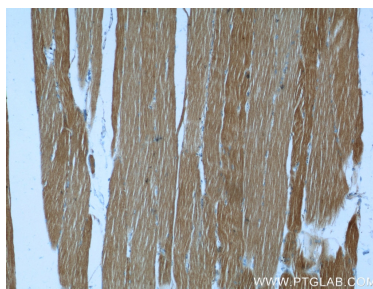
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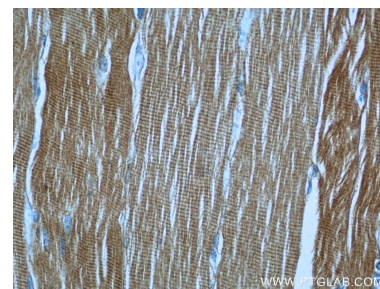
Selected Validation Data



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.