

For Research Use Only

# RTN2 Recombinant antibody

Catalog Number: 86162-1-RR



## Basic Information

<b>Catalog Number:</b> 86162-1-RR	<b>GenBank Accession Number:</b> BC014244	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6253	<b>CloneNo.:</b> 250823C1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75298	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> reticulon 2	
<b>Immunogen Catalog Number:</b> AG1655	<b>Calculated MW:</b> 59 kDa, 51 kDa, 22 kDa	
	<b>Observed MW:</b> 20-23 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse heart tissue, rat heart tissue, mouse skeletal muscle tissue, rat skeletal muscle
<b>Species Specificity:</b> human, mouse, rat	

## 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.

## Storage

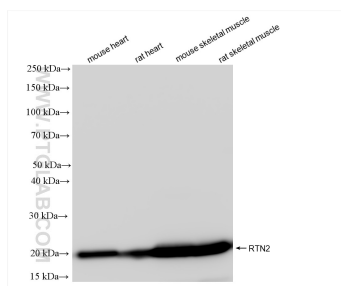
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86162-1-RR (RTN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.