

For Research Use Only

# ANKRD2 Recombinant monoclonal antibody

Catalog Number: 87444-1-RR



## Basic Information

<b>Catalog Number:</b> 87444-1-RR	<b>GenBank Accession Number:</b> BC020817	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26287	<b>CloneNo.:</b> 252829E11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9GZV1	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> ankyrin repeat domain 2 (stretch responsive muscle)	
<b>Immunogen Catalog Number:</b> AG2389	<b>Calculated MW:</b> 37 aa, 2 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

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

## Background Information

ANKRD2 belongs to the conserved muscle ankyrin repeat protein (MARPs) family. Expression of MARPs is induced in response to physiologic stress, injury, and hypertrophy. Together with Ankrd1/CARP and DARP, ANKRD2 are members of the MARP mechanosensing proteins that form a complex with titin (N2A)/calpain 3 protease/myopalladin. Ankrd2 is thought to have dual, structural and signaling roles, and could link the elastic I-band region as a stress sensor for transcriptional control in the nucleus.

## Storage

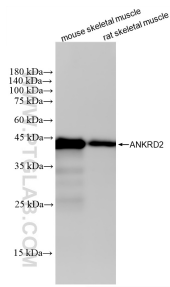
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87444-1-RR (ANKRD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.