

For Research Use Only

# ANKRD2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87444-1-PBS



## Basic Information

<b>Catalog Number:</b> 87444-1-PBS	<b>GenBank Accession Number:</b> BC020817	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 26287	<b>CloneNo.:</b> 252829E11
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q9GZV1	
<b>Immunogen Catalog Number:</b> AG2389	<b>Full Name:</b> ankyrin repeat domain 2 (stretch responsive muscle)	
	<b>Calculated MW:</b> 37 aa, 2 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat, pig

## Background Information

ANKRD2 belongs to the conserved muscle ankyrin repeat protein (MARP) 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

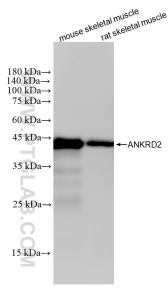
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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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. This data was developed using the same antibody clone with 87444-1-PBS in a different storage buffer formulation.