

For Research Use Only

ANKRD2 Recombinant monoclonal antibody

Catalog Number: 87444-1-RR



Basic Information

Catalog Number: 87444-1-RR	GenBank Accession Number: BC020817	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 26287	CloneNo.: 252829E11
Isotype: IgG	UNIPROT ID: Q9GZV1	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: AG2389	Full Name: ankyrin repeat domain 2 (stretch responsive muscle)	
	Calculated MW: 37 aa, 2 kDa	
	Observed MW: 42 kDa	

Applications

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

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 -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

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

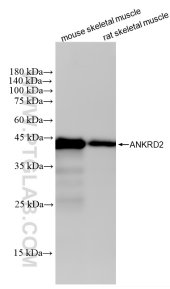
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Selected Validation Data



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