

For Research Use Only

# ANKRD1 Polyclonal ANTIBODY



Catalog Number: 11427-1-AP

6 Publications

## Basic Information

Catalog Number:  
11427-1-AP

Size:  
50 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:  
AG1970

GenBank Accession Number:  
BC018667

GeneID (NCBI):  
27063

Full Name:  
ankyrin repeat domain 1 (cardiac muscle)

Calculated MW:  
319aa, 36 kDa

Observed MW:  
36 kDa

Recommended Dilutions:  
WB 1:1000-1:4000

## Applications

Tested Applications:  
WB, ELISA

Cited Applications:  
IF, WB

Species Specificity:  
human, mouse, rat

Cited Species:  
human, mouse

**Note: 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; rat skeletal muscle tissue

## Background Information

Ankyrin repeat domain-containing protein 1(ANKRD1) belongs to the conserved muscle ankyrin repeat protein(MARP) family, whose expression is induced in response to physiologic stress, injury and hypertrophy. Thus its expression mainly in activated vascular endothelial cells. ANKRD1 may regulate SMC proliferation through the CDKN1A pathway. It functions as a nuclear transcription repressor that regulate cardiac gene's expression. This is a rabbit polyclonal antibody produced by the full-length ANKRD1 of human origin

## Notable Publications

Author	Pubmed ID	Journal	Application
Holger Greschik	29168801	Cell Death Dis	IF
Paul B Dieffenbach	28642262	Am J Physiol Lung Cell Mol Physiol	WB
Jessica A Chadwick	26178166	FASEB J	WB, IF

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

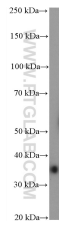
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## Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 11427-1-AP (ANKRD1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours