

For Research Use Only

# ANKRD1 Polyclonal antibody

Catalog Number: 11427-1-AP

19 Publications



## Basic Information

Catalog Number:

11427-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1970

GenBank Accession Number:

BC018667

GeneID (NCBI):

27063

UNIPROT ID:

Q15327

Full Name:

ankyrin repeat domain 1 (cardiac muscle)

Calculated MW:

319 aa, 36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:3000

IF-P: 1:200-1:800

## Applications

Tested Applications:

WB, IF-P, ELISA

Cited Applications:

WB, IF, IP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: mouse skeletal muscle tissue, rat skeletal muscle tissue

IF-P: mouse heart tissue,

## Background Information

Ankyrin repeat domain-containing protein 1 (ANKRD1) belongs to the conserved muscle ankyrin repeat protein (MARF) 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
Leixin Wei	33089528	FASEB J	WB
Holger Greschik	29168801	Cell Death Dis	IF
Noreen Eder	32404936	Nat Commun	IF

## 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:

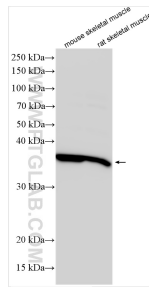
T: 4006900926

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

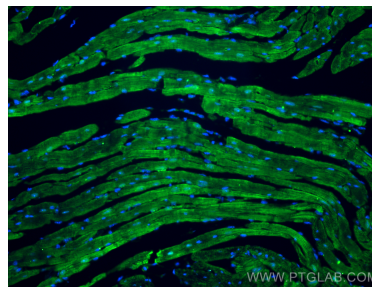
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11427-1-AP (ANKRD1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using ANKRD1 antibody (11427-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).