

For Research Use Only

# ANKRD1 Monoclonal antibody, PBS Only

Catalog Number: 67775-1-PBS



## Basic Information

<b>Catalog Number:</b> 67775-1-PBS	<b>GenBank Accession Number:</b> BC018667	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27063	<b>CloneNo.:</b> 1F11F1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q15327	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> ankyrin repeat domain 1 (cardiac muscle)	
<b>Immunogen Catalog Number:</b> AG29974	<b>Calculated MW:</b> 319 aa, 36 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, ELISA

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

## 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

## Storage

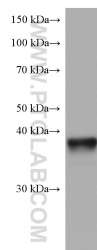
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

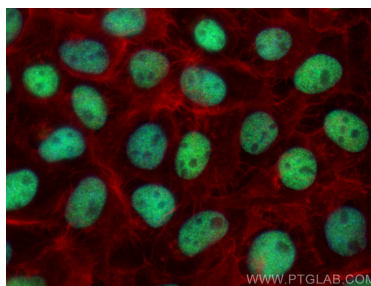
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## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 67775-1-Ig (ANKRD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67775-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ANKRD1 antibody (67775-1-Ig, Clone: 1F11F1) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 67775-1-PBS in a different storage buffer formulation.