

For Research Use Only

ANKRD1 Monoclonal antibody

Catalog Number: 67775-1-Ig **2 Publications**



Basic Information

Catalog Number: 67775-1-Ig	GenBank Accession Number: BC018667	Purification Method: Protein A purification
Size: 150ul, Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 27063	CloneNo.: 1F11F1
Source: Mouse	UNIPROT ID: Q15327	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:1000-1:4000
Isotype: IgG2b	Full Name: ankyryn repeat domain 1 (cardiac muscle)	
Immunogen Catalog Number: AG29974	Calculated MW: 319 aa, 36 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Cited Applications: IF	WB : mouse heart tissue, rabbit heart tissue, pig heart tissue
Species Specificity: human, mouse, rat, pig, rabbit	IF/ICC : A431 cells,
Cited Species: human, mouse	

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

Notable Publications

Author	Pubmed ID	Journal	Application
Yosuke Mai	39025524	Life Sci Alliance	IF
Zhihao Liu	36908856	J Pharm Anal	IF

Storage

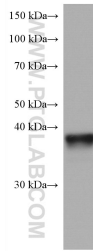
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

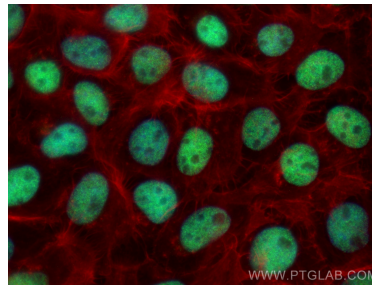
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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).