

For Research Use Only

ANKRD1 Monoclonal antibody

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



Basic Information

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

Applications

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

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

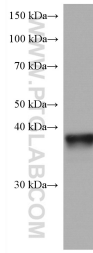
T: 4006900926

E: Proteintech-CN@ptglab.com

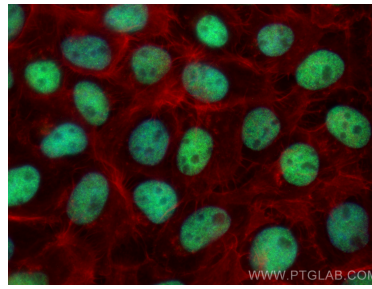
W: ptgcn.com

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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).