

For Research Use Only

ANK2 Polyclonal antibody

Catalog Number: 31080-1-AP



Basic Information

Catalog Number:

31080-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34642

GenBank Accession Number:

NM_001148

GeneID (NCBI):

287

UNIPROT ID:

Q01484

Full Name:

ankyrin 2, neuronal

Calculated MW:

434 kDa

Observed MW:

250-260 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:2000-1:16000

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IF-P, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, mouse heart tissue, rat heart tissue

IF-P : mouse heart tissue,

Background Information

The Ankyrins, belonging to the adapter protein family, consist of Ankyrin-R (ANK1), Ankyrin-B (ANK2), and Ankyrin-G (ANK3). Initially, ANK2 was considered as a key cytoskeletal-associated protein in the brain. Besides, it was discovered as a pivotal adaptor and scaffolding protein in the heart. Remarkably, recent studies have demonstrated that Ankyrins contribute to the modulation of various biological activities in cancers. (PMID: 36539782)

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

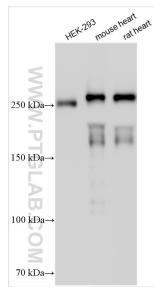
For technical support and original validation data for this product please contact:

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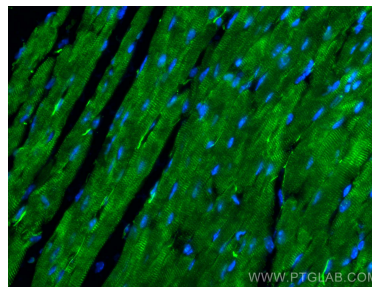
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31080-1-AP (ANK2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using ANK2 antibody (31080-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).