

For Research Use Only

# ANK2 Recombinant antibody, PBS Only

Catalog Number: 83912-5-PBS



## Basic Information

Catalog Number:

83912-5-PBS

Concentration:

1 mg/ml

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:

Protein A purification

CloneNo.:

240982G5

## Applications

Tested Applications:

IHC, IF-P, FC (Intra), ELISA

Species Specificity:

human, mouse

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

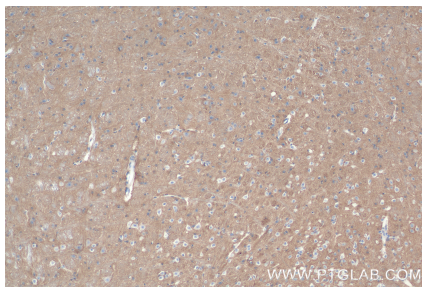
T: 4006900926

E: Proteintech-CN@ptglab.com

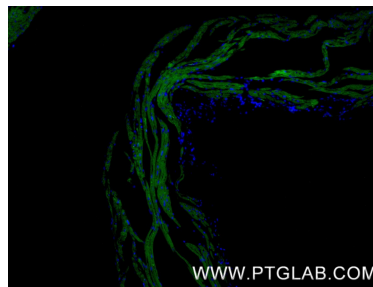
W: ptgcn.com

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

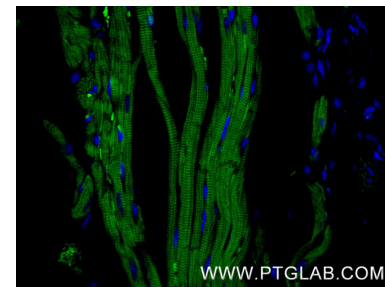
## Selected Validation Data



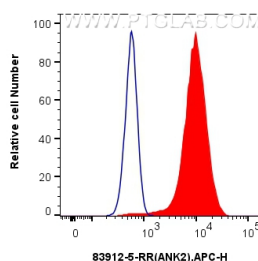
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 83912-5-RR (ANK2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83912-5-PBS in a different storage buffer formulation.



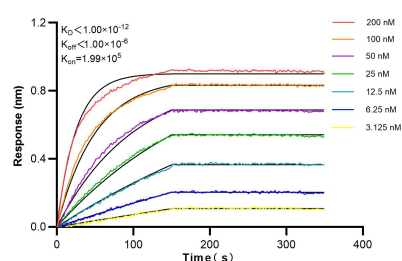
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using ANK2 antibody (83912-5-RR, Clone: 240982G5) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83912-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using ANK2 antibody (83912-5-RR, Clone: 240982G5) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83912-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.25 ug Ank2 Recombinant Antibody (83912-5-RR, Clone:240982G5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83912-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83912-5-RR against Human ANK2 were performed. The affinity constant is below 1 pM.