

ANK2 Polyclonal antibody

Catalog Number: 31080-1-AP

Basic Information

Catalog Number:

31080-1-AP

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

IHC: 1:50-1:500

IF-P: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

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

IHC : mouse heart tissue, mouse cerebellum 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:

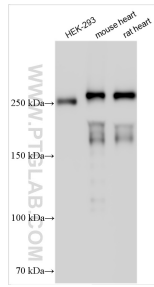
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

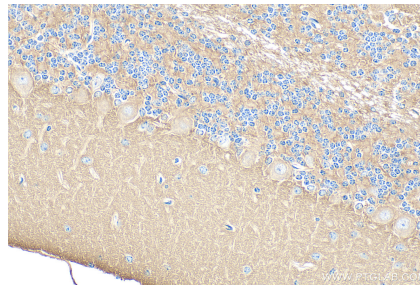
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

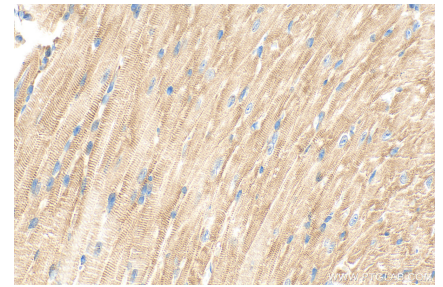
Selected Validation Data



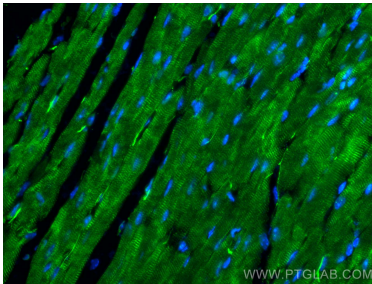
Various lysates were subjected to SDS PAGE followed by western blot with 31080-1-AP (ANK2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 31080-1-AP (ANK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 31080-1-AP (ANK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).