

For Research Use Only

ANK1 Polyclonal antibody

Catalog Number: 23938-1-AP



Basic Information

Catalog Number: 23938-1-AP	GenBank Accession Number: BC030957	Purification Method: Antigen Affinity purified
Size: 150ul, Concentration: 750 ug/ml by Nanodrop and 520 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 286	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:250-1:1000
Source: Rabbit	UNIPROT ID: P16157	
Isotype: IgG	Full Name: ankyrin 1, erythrocytic	
Immunogen Catalog Number: AG21041	Calculated MW: 155 aa, 18 kDa	
	Observed MW: 190-250 kDa	

Applications

Tested Applications:
WB, IHC, 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 : K-562 cells, mouse liver tissue

IHC : human stomach cancer tissue, human lymphoma tissue, mouse cerebellum tissue, rat cerebellum tissue

Background Information

Ankyrin-1 (ANK1) is also named as Ankyrin-R and Erythrocyte ankyrin. The stability and shape of the erythrocyte membrane is provided by the ankyrin-1 complex (PMID:18440852). ANK1 can attach integral membrane proteins to cytoskeletal elements. And it binds to the erythrocyte membrane protein band 4.2, to Na-K ATPase, to the lymphocyte membrane protein GP85, and to the cytoskeletal proteins fodrin, tubulin, vimentin and desmin. (PMID:12456646).

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**

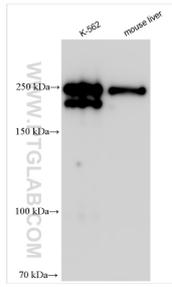
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

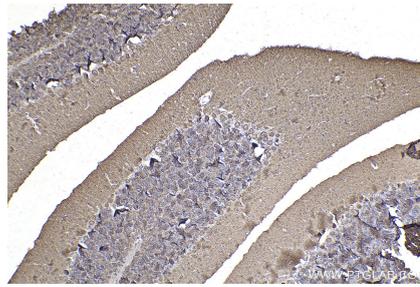
E: proteintech@ptglab.com
W: ptglab.com

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

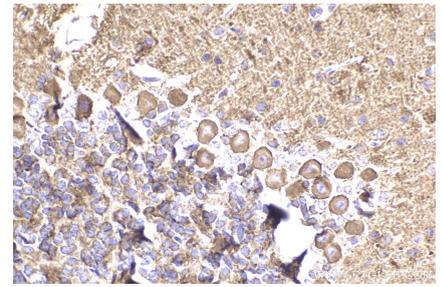
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23938-1-AP (ANK1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



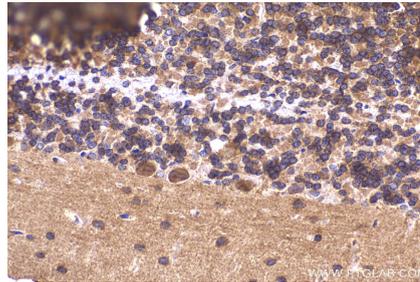
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 23938-1-AP (ANK1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



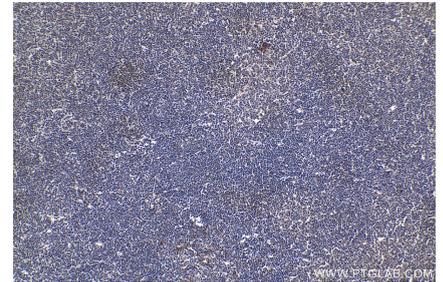
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 23938-1-AP (ANK1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



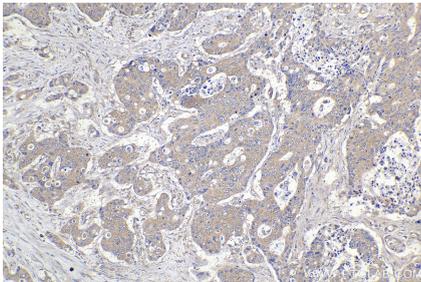
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 23938-1-AP (ANK1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 23938-1-AP (ANK1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 23938-1-AP (ANK1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 23938-1-AP (ANK1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).