

For Research Use Only

PMCA2 Polyclonal antibody

Catalog Number: 28423-1-AP



Basic Information

Catalog Number: 28423-1-AP	GenBank Accession Number: NM_001001331	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 491	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:500-1:2000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q01814	
Isotype: IgG	Full Name: ATPase, Ca ⁺⁺ transporting, plasma membrane 2	
Immunogen Catalog Number: AG28994	Calculated MW: 137 kDa	
	Observed MW: 137 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	WB : unboiled mouse brain tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue, rat brain tissue
	IF-P : rat brain tissue,

Background Information

ATP2B2, also named as PMCA2, belongs to the cation transport ATPase (P-type) family and type IIB subfamily. This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell.

Storage

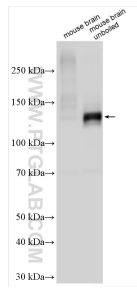
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

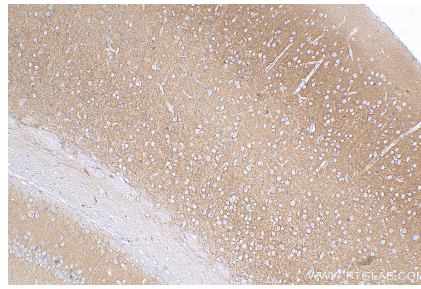
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

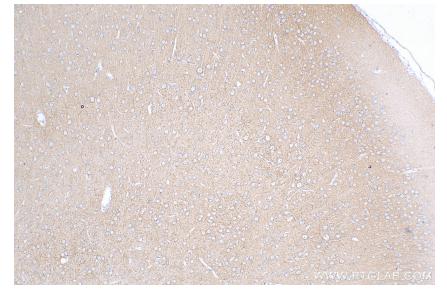
Selected Validation Data



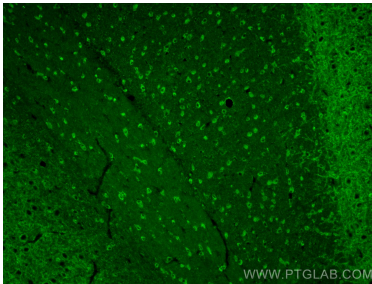
Various lysates were subjected to SDS PAGE followed by western blot with 28423-1-AP (PMCA2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28423-1-AP (PMCA2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 28423-1-AP (PMCA2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using PMCA2 antibody (28423-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).