

PMCA2 Polyclonal antibody

Catalog Number: 28423-1-AP

Basic Information

Catalog Number:

28423-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28994

GenBank Accession Number:

NM_001001331

GeneID (NCBI):

491

UNIPROT ID:

Q01814

Full Name:

ATPase, Ca⁺⁺ transporting, plasma

membrane 2

Calculated MW:

137 kDa

Observed MW:

137 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:500-1:2000

IF-P 1:50-1:500

Applications

Tested Applications:

IF-P, IHC, WB, 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: unboiled mouse brain tissue,

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:

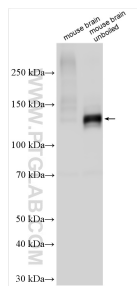
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

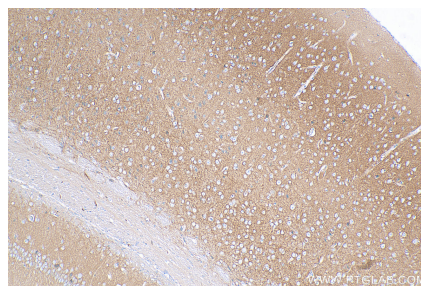
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

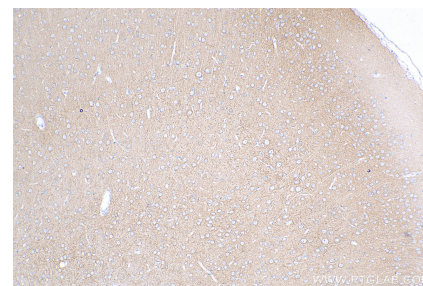
Selected Validation Data



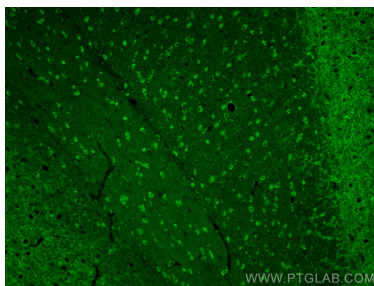
Various lysates were subjected to SDS PAGE followed by western blot with 28423-1-AP (PMCA2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).