

Datasheet for ABIN7042957

anti-ATP2B3 antibody (Intracellular, N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	50 µL
Target:	ATP2B3
Binding Specificity:	AA 10-23, Intracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EFHPKPQ(N)QREVP, corresponding to amino acid residues 10-23 of rat PMCA3
Isotype:	IgG
Characteristics:	Anti-PMCA3 Antibody (ABIN7042957, ABIN7044144 and ABIN7044145) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize PMCA3 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	ATP2B3
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Target Details

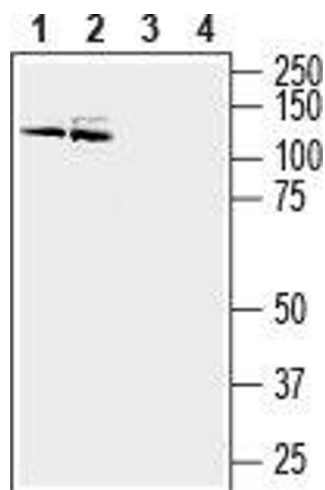
Alternative Name:	PMCA3 (ATP2B3 Products)
Background:	Alternative names: PMCA3, Plasma membrane Ca ²⁺ ATPase 3, Plasma membrane calcium pump isoform 3, ATP2B3, SCAX1
Gene ID:	29599
NCBI Accession:	NM_021949
UniProt:	Q64568
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

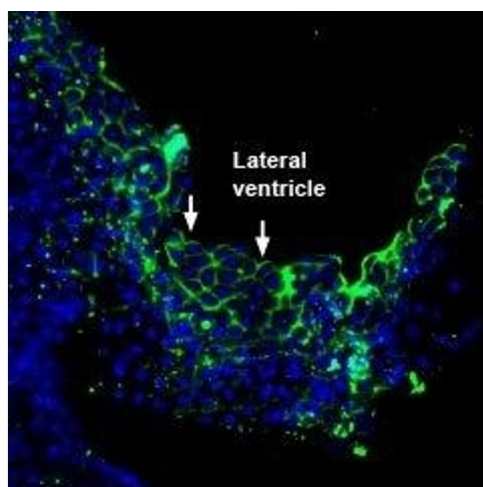
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain membranes: - 1,2. Anti-PMCA3 Antibody (ABIN7042957, ABIN7044144 and ABIN7044145), (1:200).3,4. Anti-PMCA3 Antibody, preincubated with PMCA3 Blocking Peptide (#BLP-CP003).



Immunohistochemistry

Image 2. Expression of PMCA3 in rat choroid plexus - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-PMCA3 Antibody (ABIN7042957, ABIN7044144 and ABIN7044145), (1:200), followed by goat-anti-rabbit-AlexaFluor-488. PMCA3 immunoreactivity (green) appears in the outlines of the choroid plexus (arrows) located in the lateral ventricle of the brain. Cell nuclei are stained with DAPI (blue).