

Datasheet for ABIN7042959
anti-ATP2A3 antibody (C-Term, Cytosolic)[Go to Product page](#)

2 Images

Overview

Quantity:	50 µL
Target:	ATP2A3
Binding Specificity:	AA 981-993, C-Term, Cytosolic
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DEALKYLSRHHVD, corresponding to amino acid residues 981-993 of rat SERCA3
Isotype:	IgG
Characteristics:	Anti-SERCA3 Antibody (ABIN7042959, ABIN7044153 and ABIN7044154)) 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 SERCA3 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	ATP2A3
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Target Details

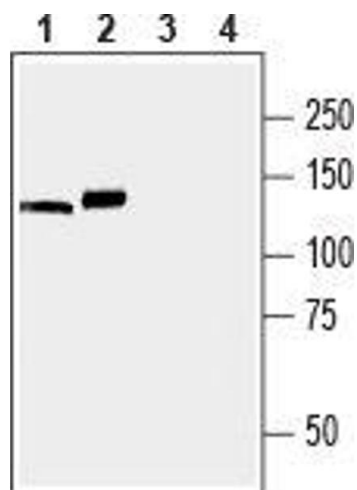
Alternative Name:	SERCA3 (ATP2A3 Products)
Background:	Alternative names: SERCA3, Sarcoplasmic/endoplasmic reticulum calcium ATPase 3, Calcium pump 3, ATP2A3
Gene ID:	25391
NCBI Accession:	NM_174953
UniProt:	P18596
Pathways:	Myometrial Relaxation and Contraction , Ribonucleoside Biosynthetic Process

Application Details

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

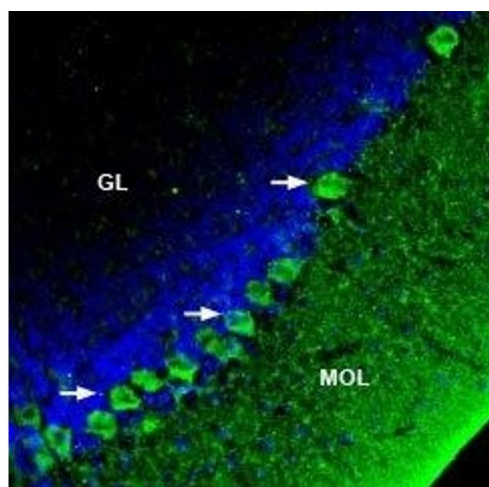
Handling

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-SERCA3 Antibody (ABIN7042959, ABIN7044153 and ABIN7044154), (1:200).3,4. Anti-SERCA3 Antibody, preincubated with SERCA3 Blocking Peptide (#BLP-CP014).



Immunohistochemistry

Image 2. Expression of SERCA3 in rat cerebellum - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-SERCA3 Antibody (ABIN7042959, ABIN7044153 and ABIN7044154), (1:200), followed by goat anti-rabbit-AlexaFluor-488. SERCA3 immunoreactivity (green) appears in the molecular layer (MOL) and Purkinje cells (arrows) but not in the granule layer (GL) or cerebellum sections. Cell nuclei are stained with DAPI (blue).