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Datasheet for ABIN6979370

anti-ATP2A3 antibody (AA 101-200) (Alexa Fluor 594)

Overview

Quantity:	100 µL
Target:	ATP2A3
Binding Specificity:	AA 101-200
Reactivity:	Human, Xenopus laevis, Xenopus tropicalis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP2A3 antibody is conjugated to Alexa Fluor 594
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SERCA3
Isotype:	IgG
Cross-Reactivity:	Human, Xenopus laevis, Xenopus tropicalis
Predicted Reactivity:	Mouse,Cow,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	ATP2A3
Alternative Name:	SERCA3 (ATP2A3 Products)

Target Details

Background: Synonyms: Adenosine triphosphatase calcium, AT2A3_HUMAN, Atp2a3, ATPase Ca(2+) transporting ubiquitous, ATPase Ca++ transporting ubiquitous, Calcium pump 3, Calcium translocating P type ATPase, Sarco/endoplasmic reticulum Ca2+ ATPase, Sarcoplasmic/endoplasmic reticulum calcium ATPase 3, SERCA 3, SERCA3, SERCA3b, SR Ca(2+) ATPase 3, SR Ca(2+)-ATPase 3

Background: This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium. Transports calcium ions from the cytosol into the sarcoplasmic/endoplasmic reticulum lumen. Contributes to calcium sequestration involved in muscular excitation/contraction.

Gene ID: 489

UniProt: [Q93084](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months