

Rabbit SERCA1 Polyclonal Antibody | anti-ATP2A1 antibody

Anti-SERCA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA104974	Rabbit	Human, Mouse, Rat, Bovine, Rabbit	Immunoprecipitation, Immunohistochemistry, Western Blot

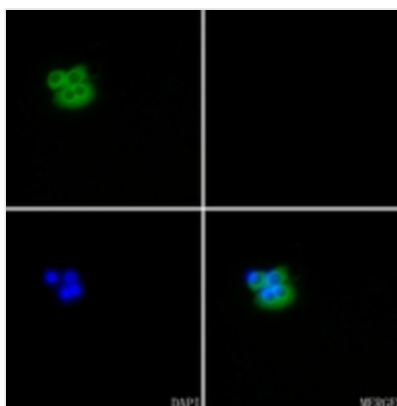
PRODUCT SYNONYMS

SERCA1; Polyclonal Antibody; Anti-SERCA1 Antibody; Sarcoplasmic/endoplasmic reticulum calcium ATPase 1; SR Ca(2+)-ATPase 1; Calcium pump 1; Calcium-transporting ATPase sarcoplasmic reticulum type; fast twitch skeletal muscle isoform; Endoplasmic reticulum class 1/2 Ca(2+) ATPase; anti-ATP2A1 antibody

PRODUCT SPECIFICATIONS

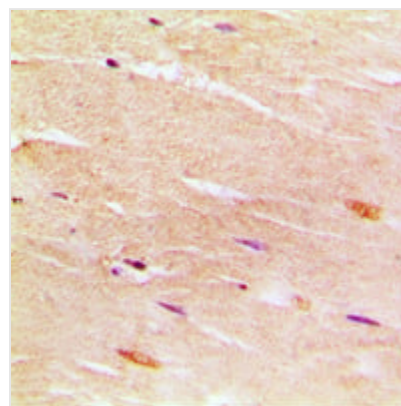
Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Rabbit
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of SERCA1 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	869
Applicable Applications for anti-ATP2A1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SERCA1. The exact sequence is proprietary.
Preparation and Storage	Upon receipt, store at -20°C for one year. Avoid freeze/thaw cycles.

IMAGES



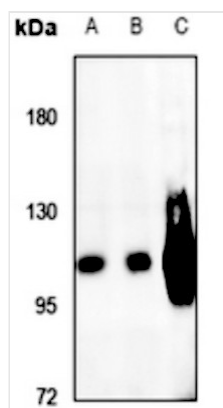
IF (Immunofluorescence)

Immunofluorescent analysis of SERCA1 staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain the cytoplasm (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of SERCA1 staining in human muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of SERCA1 expression in A549 (A), mouse muscle (B), rat muscle (C) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2A1 antibody

Rabbit polyclonal antibody to SERCA1

NCBI AND UNIPROT INFORMATION

NCBI GI #	554506571
NCBI GeneID	487
NCBI Accession #	NP_001273004.1
NCBI GenBank Nucleotide #	NM_001286075.1
UniProt Accession #	O14983; O14984; A8K5J9; B3KY17
NCBI Official Full Name	sarcoplasmic/endoplasmic reticulum calcium ATPase 1 isoform c
NCBI Official Synonym Full Names	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1
NCBI Official Symbol	ATP2A1
NCBI Official Synonym Symbols	ATP2A; SERCA1
NCBI Protein Information	sarcoplasmic/endoplasmic reticulum calcium ATPase 1; calcium pump 1; SR Ca(2+)-ATPase 1; endoplasmic reticulum class 1/2 Ca(2+) ATPase; calcium-transporting ATPase sarcoplasmic reticulum type, fast twitch skeletal muscle isoform
UniProt Protein Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 1
UniProt Gene Name	ATP2A1
UniProt Synonym Gene Names	SERCA1; SR Ca(2+)-ATPase 1
UniProt Entry Name	AT2A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/serca1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/104974>