

Anti-ATP2A1/SERCA1 Rabbit Monoclonal Antibody

Catalog # ABO15525

Product Information

Application	WB, IHC, IP
Primary Accession	O14983
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-ATP2A1/SERCA1 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human.

Additional Information

Gene ID	487
Other Names	Sarcoplasmic/endoplasmic reticulum calcium ATPase 1, SERCA1, SR Ca(2+)-ATPase 1, 7.2.2.10, Calcium pump 1, Calcium-transporting ATPase sarcoplasmic reticulum type, fast twitch skeletal muscle isoform, Endoplasmic reticulum class 1/2 Ca(2+) ATPase, ATP2A1 (HGNC:811)
Calculated MW	110252
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 21A01
Immunogen	A synthesized peptide derived from human ATP2A1/SERCA1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	ATP2A1 (HGNC:811)
Function	Key regulator of striated muscle performance by acting as the major Ca(2+)

ATPase responsible for the reuptake of cytosolic Ca^{2+} into the sarcoplasmic reticulum. Catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen (By similarity). Contributes to calcium sequestration involved in muscular excitation/contraction (PubMed:[10914677](#)).

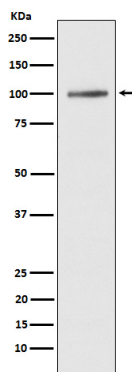
Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P04191};
Multi-pass membrane protein {ECO:0000250|UniProtKB:P04191};
Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:P04191};
Multi-pass membrane protein {ECO:0000250|UniProtKB:P04191}

Tissue Location

Skeletal muscle, fast twitch muscle (type II) fibers.

Images



Western blot analysis of ATP2A1/SERCA1 expression in human fetal muscle lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.