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SERCA1 ATPase Antibody
Rabbit mAb
Catalog # AP92494

Specification

SERCA1 ATPase Antibody - Product Information

Application	**WB**
Primary Accession	O14983
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
ATP2A; ATP2A1; SERCA1;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**110252 Da**

SERCA1 ATPase Antibody - Additional Information

Dilution	**WB~~1:1000**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human SERCA1 ATPase**
Description	**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.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

SERCA1 ATPase Antibody - 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

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{ECO:0000250|UniProtKB:P04191}; Multi-pass membrane protein
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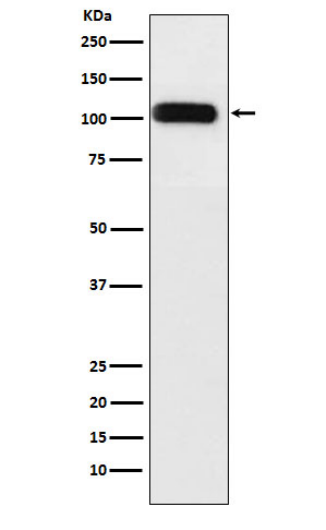
Tissue Location
Skeletal muscle, fast twitch muscle (type II) fibers.

SERCA1 ATPase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SERCA1 ATPase Antibody - Images



Western blot analysis of SERCA1 ATPase expression in Human fetal muscle lysate.