

SERCA1/ATP2A1 Rabbit pAb

Catalog No.: A10104

Basic Information

Observed MW

110kDa

Calculated MW

110kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Mouse

Background

This gene encodes one of the SERCA Ca²⁺-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen, and is involved in muscular excitation and contraction. Mutations in this gene cause some autosomal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxation during exercise. Alternative splicing results in three transcript variants encoding different isoforms.

Recommended Dilutions

WB 1:200 - 1:1000

Immunogen Information

Gene ID

487

Swiss Prot

O14983

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 901-1001 of human SERCA1/SERCA1/ATP2A1 (NP_775293.1).

Synonyms

ATP2A; SERCA1; SERCA1/ATP2A1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

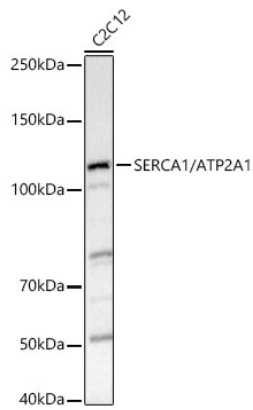
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of C2C12, using SERCA1/ATP2A1 Rabbit pAb (A10104) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.