SERCA1/ATP2A1 Rabbit pAb

Catalog No.: A10104



Basic Information

Observed MW

110kDa

Calculated MW

110kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Mouse

Background

This gene encodes one of the SERCA Ca(2+)-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

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID487

Swiss Prot
014983

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

ATP2A; SERCA1; SERCA1/ATP2A1

Contact

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Product Information

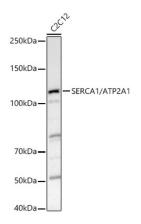
SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20 $^{\circ}\text{C}.$ Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from C2C12 cells, using SERCA1/ATP2A1 Rabbit pAb (A10104) at 1:1000 dilution

Secondary antibody: HRP-conjugated 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.