

ATP2A1 monoclonal antibody

Catalog: MB22342

Host: Mouse

Reactivity: Human, Mouse, Monkey

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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

110kDa

Swiss-Prot:

O14983

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1/500 - 1/2000

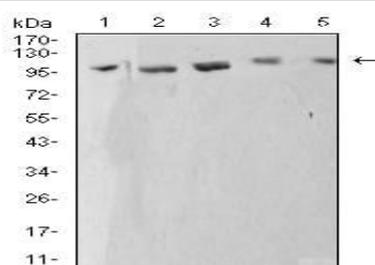
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

Mouse IgG1

DATA:



Western blot analysis using ATP2A1 mouse mAb against C2C12 (1), COS7 (2), HeLa (3), K562 (4), and Jurkat (5) cell lysate.

Note:

For research use only, not for use in diagnostic procedure.

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