

Product Datasheet

ATP2A1/SERCA1 Antibody



Catalog No: CY9141

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC IP

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Information

UniProt ID: O14983

All Names: ATP2A; ATP2A1; SERCA1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 100kDa

Application

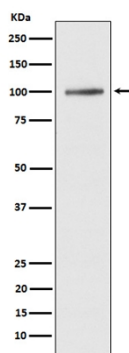
WB 1:1000~1:5000

IHC 1:50~1:200

IP 1:50

Background

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. Contributes to calcium sequestration involved in muscular excitation/contraction.



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

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