

Anti-SERCA1 Antibody

Catalog # AP95683

Product Information

Application	WB, FC
Primary Accession	O14983
Reactivity	Human, Mouse, Mk
Host	Mouse
Clonality	Monoclonal
Calculated MW	110252

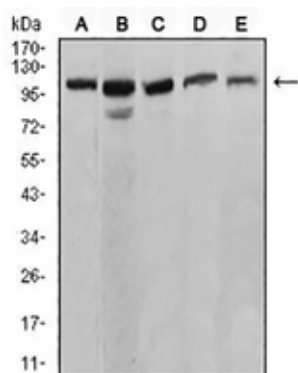
Additional Information

Gene ID	487
Other Names	SarcoplasmIC, /endoplasmIC, retIC, ulum calcium ATPase 1; SERCA1; SR Ca(2+)-ATPase 1; Calcium pump 1; Calcium-transporting ATPase sarcoplasmIC, retIC, ulum type, fast twitch skeletal muscle isoform; EndoplasmIC, retIC, ulum class 1/2 Ca(2+) ATPase
Target/Specificity	Recombinant fusion protein of human SERCA1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

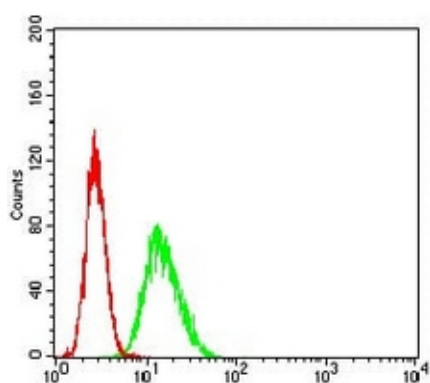
Protein Information

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

Images



Western blot analysis of SERCA1 expression in C2C12 (A), COS7 (B), HeLa (C), K562 (D), Jurkat (E) whole cell lysates. (Predicted band size: 110 kD; Observed band size: 110 kD)



Flow cytometric analysis of HeLa cells using Anti-SERCA1 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.