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[Primary Antibody]

Recombinant Rabbit Anti-ATP2A1 Monoclonal Antibody

Catalog Number: SLA1352M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	4G10
GeneID:	487
SWISS:	O14983
Target:	ATP2A1
Immunogen:	A synthesized peptide derived from human SERCA1
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ICC/IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	110 kDa
Background:	Key regulator of striated muscle performance by acting as the major Ca2+ ATPase responsible for the reuptake of cytosolic Ca2+ 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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.