

Anti-ATP2A1 / SERCA1 Antibody (clone 4B8)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17638

Product Information

Application	WB, IHC-P
Primary Accession	O14983
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3,k
Clone Names	4B8
Calculated MW	110252

Additional Information

Gene ID	487
Alias Symbol	ATP2A1
Other Names	ATP2A1, SERCA1, ATP2A, Calcium pump 1, SR Ca(2+)-ATPase 1
Reconstitution & Storage	Protein A purified
Precautions	Anti-ATP2A1 / SERCA1 Antibody (clone 4B8) is for research use only and not for use in diagnostic or therapeutic procedures.

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.