

Anti-ATP2A1 / SERCA1 Antibody (clone 4B8)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17638**Specification**

Anti-ATP2A1 / SERCA1 Antibody (clone 4B8) - Product Information

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

Anti-ATP2A1 / SERCA1 Antibody (clone 4B8) - 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.

Anti-ATP2A1 / SERCA1 Antibody (clone 4B8) - 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.

Anti-ATP2A1 / SERCA1 Antibody (clone 4B8) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ATP2A1 / SERCA1 Antibody (clone 4B8) - Images