

# SERCA1 ATPase Rabbit mAb

Catalog # AP78126

## Product Information

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Application       | WB, IHC-P, IP                                          |
| Primary Accession | <a href="#">O14983</a>                                 |
| Reactivity        | Human                                                  |
| Host              | Rabbit                                                 |
| Clonality         | Monoclonal Antibody                                    |
| Isotype           | IgG                                                    |
| Conjugate         | Unconjugated                                           |
| Immunogen         | A synthesized peptide derived from human ATP2A1/SERCA1 |
| Purification      | Affinity Chromatography                                |
| Calculated MW     | 110252                                                 |

## Additional Information

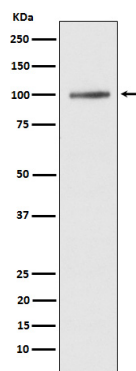
|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| Gene ID     | 487                                                                                                |
| Other Names | ATP2A1                                                                                             |
| Dilution    | WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A                                                                |
| Format      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | ATP2A1 ( <a href="#">HGNC:811</a> )                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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: <a href="#">10914677</a> ). |
| 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

---



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