

Product datasheet for TA339001

SERCA3 (ATP2A3) Rabbit Polyclonal Antibody

Product data:

OriGene Technologies, Inc.

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| Product Type: | Primary Antibodies |
|-------------------------|---|
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| lsotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for anti-ATP2A3 antibody: synthetic peptide directed towards the middle region of human ATP2A3. Synthetic peptide located within the following region: LISGWLFFRYLAIGVYVGLATVAAATWWFVYDAEGPHINFYQLRNFLKCS |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers. |
| Concentration: | lot specific |
| Purification: | Protein A purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 109 kDa |
| Gene Name: | ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 3 |
| Database Link: | <u>NP_005164</u> <u>Entrez Gene 489 Human</u> <u>Q93084</u> |



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| | SERCA3 (ATP2A3) Rabbit Polyclonal Antibody – TA339001 |
|-------------------|---|
| Background: | This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen, and is involved in calcium sequestration associated with muscular excitation and contraction. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] |
| Synonyms: | SERCA3 |
| Note: | lmmunogen Sequence Homology: Human: 100%; Dog: 86%; Horse: 86%; Pig: 79%; Rat: 79%; Bovine: 79%; Guinea pig: 79%; Rabbit: 77% |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathway | s: Alzheimer's disease, Calcium signaling pathway |

Product images:



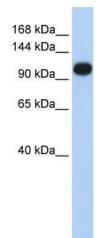
168-144-

90

65-

40-

Rabbit Anti-ATP2A3 Sample Type: Human MCF7 Antibody Concentration: 1ug/mL Host: Rabbit; Target Name: ATP2A3; Sample Tissue: MCF7; Antibody Dilution: 1.0 ug/ml.ATP2A3 is strongly supported by BioGPS gene expression data to be expressed in MCF7



WB Suggested Anti-ATP2A3 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: Jurkat cell lysate.ATP2A3 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

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