

Product datasheet for **TA339001**

SERCA3 (ATP2A3) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | 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. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| 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 Ca ²⁺ transporting 3 |
| Database Link: | NP_005164 Entrez Gene 489 Human Q93084 |



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Background: This gene encodes one of the SERCA Ca²⁺-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: Immunogen 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 Pathways: Alzheimer's disease, Calcium signaling pathway

Product images:

