

# Product datasheet for TA339001

## SERCA3 (ATP2A3) Rabbit Polyclonal Antibody

#### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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:**



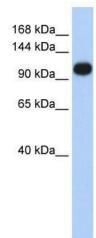
168-144-

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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