

# ATP2A3 rabbit monoclonal antibody

Catalog # H00000489-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human ATP2A3 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human ATP2A3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human ATP2A3 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — ATP2A3

Entrez GeneID	<a href="#">489</a>
GeneBank Accession#	<a href="#">ATP2A3</a>
Gene Name	ATP2A3
Gene Alias	SERCA3
Gene Description	ATPase, Ca <sup>++</sup> transporting, ubiquitous
Omim ID	<a href="#">601929</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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]
Other Designations	ATPase, Ca(2+)-transporting, ubiquitous SR Ca(2+)-ATPase 3 adenosine triphosphatase, calcium calcium pump 3 calcium-translocating P-type ATPase sarco/endoplasmic reticulum Ca <sup>2+</sup> -ATPase sarco/endoplasmic reticulum Ca <sup>2+</sup> ATPase sarcoplasmic/endoplasmic retic

## Pathway

- [Calcium signaling pathway](#)

## Disease

- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Nervous System Neoplasms](#)