

**ATP2A3 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant ATP2A3.

Catalog # AT1234a

**Specification**

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**ATP2A3 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">O93084</a>
Other Accession	<a href="#">BC035729</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	109256

**ATP2A3 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 489**Other Names**

Sarcoplasmic/endoplasmic reticulum calcium ATPase 3, SERCA3, SR Ca(2+)-ATPase 3, Calcium pump 3, ATP2A3

**Target/Specificity**

ATP2A3 (AAH35729, 501 a.a. ~ 620 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

ATP2A3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

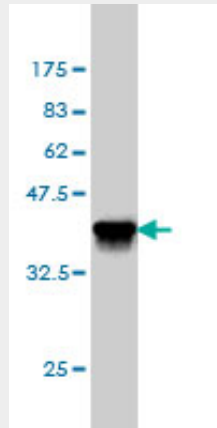
**ATP2A3 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

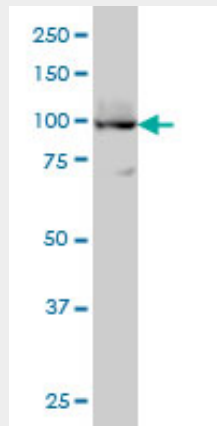
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

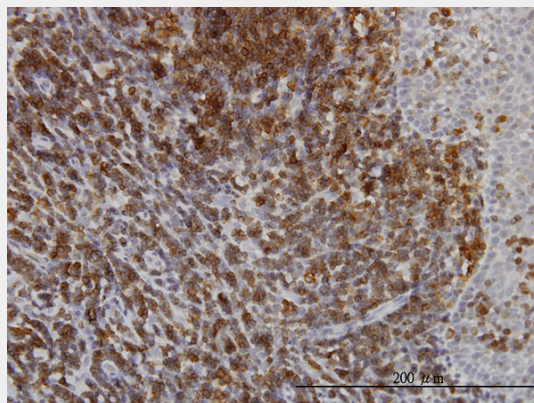
### ATP2A3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.94 KDa) .

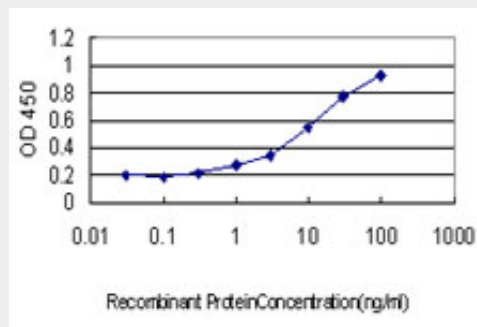


ATP2A3 monoclonal antibody (M01), clone 2H3 Western Blot analysis of ATP2A3 expression in HL-60 ( (Cat # AT1234a )



Immunoperoxidase of monoclonal antibody to ATP2A3 on formalin-fixed paraffin-embedded

human tonsil. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged ATP2A3 is approximately 0.3ng/ml as a capture antibody.

### **ATP2A3 Antibody (monoclonal) (M01) - Background**

This gene encodes one of the SERCA Ca<sup>2+</sup>-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.

### **ATP2A3 Antibody (monoclonal) (M01) - References**

1.Modulation of endoplasmic reticulum calcium pump expression during lung cancer cell differentiation.Arbabian A, Brouland JP, Apati A, Paszty K, Hegedus L, Enyedi A, Chomienne C, Papp B.FEBS J. 2012 Nov 15. doi: 10.1111/febs.12064.2.Expression of Sarco/Endoplasmic Reticulum Ca<sup>2+</sup>ATPase (SERCA) 3 proteins in two major conformational states in native human cell membranes.Corvazier E, Bredoux R, Kovacs T, Enouf J.Biochim Biophys Acta. 2009 Mar;1788(3):587-99. Epub 2008 Dec 16.