

ATP2A3 Polyclonal Antibody | anti-ATP2A3 antibody

Anti-ATP2A3 Antibody

CATALOG # AAA46336	REACTIVITY Mouse, Rat Predicted to work with: Human	APPLICATIONS Immunohistochemistry, Western Blot
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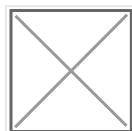
PRODUCT SYNONYMS

ATP2A3; Polyclonal Antibody; Anti-ATP2A3 Antibody; Sarcoplasmic/endoplasmic reticulum calcium ATPase 3; Adenosine triphosphatase calcium; AT2A3_HUMAN; ATPase Ca(2+) transporting ubiquitous; ATPase Ca++ transporting ubiquitous; Calcium pump 3; Calcium translocating P type ATPase; Sarco/endoplasmic reticulum Ca2+ ATPase; SERCA 3; SERCA3; SERCA3b; SR Ca(2+) ATPase 3; SR Ca(2+)-ATPase 3; ATPase; Ca++ transporting; ubiquitous; anti-ATP2A3 antibody

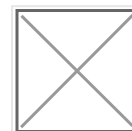
PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat Predicted to work with: Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	999
Applicable Applications for anti-ATP2A3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ATP2A3(1-30aa MEAAHLLPAADVLRHFSVTAEGGLSPAQVT), different from the related mouse sequence by five amino acids, and from the related rat sequence by six amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

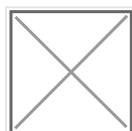
IMAGES



IHC (Immunohistochemistry)
Anti- ATP2A3 antibody, IHC(P) IHC(P): Rat Thymus Tissue



IHC (Immunohistochemistry)
Anti- ATP2A3 antibody, IHC(P) IHC(P): Mouse Thymus Tissue



WB (Western Blot)
Anti- ATP2A3 antibody, Western blotting
All lanes: Anti ATP2A3 at 0.5ug/ml
Lane 1: Rat Skeletal Muscle Tissue Lysate at 50ug
Lane 2: Mouse Skeletal Muscle Tissue Lysate at 50ug
Predicted bind size: 114KD
Observed bind size: 114KD

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2A3 antibody	Description: Rabbit IgG polyclonal antibody for Sarcoplasmic/endoplasmic reticulum calcium ATPase 3(ATP2A3) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Sarcoplasmic/endoplasmic reticulum calcium ATPase 3, also known as SERCA3, is anenzyme that in humans is encoded by the ATP2A3 gene. It is mapped to 17p13.2. This gene encodes one of the SERCA Ca2+-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of cells. ATP2A3 expression was originally described as non-muscular, but was recently observed in cardiomyocyte. What's more, the expression of ATP2A3 was significantly reduced or lost in colon carcinomas compared with normal colonic epithelial 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.
References	1. Dode L, Wuytack F, Kools PF, Baba-Aissa F, Raeymaekers L, Brike F, van de Ven WJ, Casteels R (Nov 1996). 2. Gelebart, P., Kovacs, T., Brouland, J.-P., van Gorp, R., Grossmann, J., Rivard, N., Panis, Y., Martin, V., Bredoux, R., Enouf, J., Papp, B. Expression of endomembrane calcium pumps in colon and gastric cancer cells: induction of SERCA3 expression during differentiation. J. Biol. Chem. 277: 26310-26320, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28373103
NCBI GeneID	489
NCBI Accession #	NP_005164.2
NCBI GenBank Nucleotide #	NM_005173.3
UniProt Accession #	Q93084; O60900; O60901; O75501; O75502; Q16115; Q6JHX1; Q8TEX5; Q8TEX6; A8MZG0; D3DTJ8
Molecular Weight	112,778 Da
NCBI Official Full Name	sarcoplasmic/endoplasmic reticulum calcium ATPase 3 isoform a
NCBI Official Synonym Full Names	ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 3
NCBI Official Symbol	ATP2A3
NCBI Official Synonym Symbols	SERCA3
NCBI Protein Information	sarcoplasmic/endoplasmic reticulum calcium ATPase 3
UniProt Protein Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3
UniProt Gene Name	ATP2A3
UniProt Synonym Gene Names	SERCA3; SR Ca(2+)-ATPase 3
UniProt Entry Name	AT2A3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp2a3-antibody-immunohistochemistry-western-blot-elisa/46336>