

ARG58372 anti-ATP2A3 / SERCA3 ATPase antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ATP2A3 / SERCA3 ATPase
Tested Reactivity	Hu
Predict Reactivity	Cow, Rat, Dog, Gpig, Hrs, Rb
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ATP2A3 / SERCA3 ATPase
Species	Human
Immunogen	Synthetic peptide around the middle region of Human ATP2A3 / SERCA3 ATPase. (within the following sequence: LISGWLFFRYLAIGVYVGLATVAAATWWFVYDAEGPHINFYQLRNFLKCS)
Conjugation	Un-conjugated
Alternate Names	SERCA3; SR Ca; Sarcoplasmic/endoplasmic reticulum calcium ATPase 3; EC 3.6.3.8; Calcium pump 3; 2+

Application Instructions

Predict Reactivity Note	Predicted homology based on immunogen sequence: Cow: 79%; Dog: 86%; Guinea Pig: 79%; Horse: 86%; Rabbit: 77%; Rat: 79%				
Application table	<table border="1"> <thead> <tr> <th>Application</th> <th>Dilution</th> </tr> </thead> <tbody> <tr> <td>WB</td> <td>0.2 - 1 µg/ml</td> </tr> </tbody> </table>	Application	Dilution	WB	0.2 - 1 µg/ml
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WB	0.2 - 1 µg/ml				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Jurkat				

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

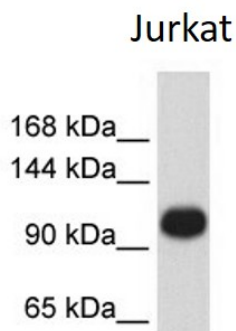
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

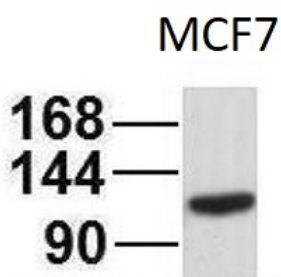
Gene Symbol	ATP2A3
Gene Full Name	ATPase, Ca ⁺⁺ transporting, ubiquitous
Background	This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation 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]
Function	This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium. Transports calcium ions from the cytosol into the sarcoplasmic/endoplasmic reticulum lumen. Contributes to calcium sequestration involved in muscular excitation/contraction. [UniProt]
Calculated Mw	114 kDa

Images



ARG58372 anti-ATP2A3 / SERCA3 ATPase antibody WB image

Western blot: Jurkat cell lysate stained with ARG58372 anti-ATP2A3 / SERCA3 ATPase antibody at 0.2 - 1 µg/ml dilution.



ARG58372 anti-ATP2A3 / SERCA3 ATPase antibody WB image

Western blot: MCF7 cell lysate stained with ARG58372 anti-ATP2A3 / SERCA3 ATPase antibody at 1 µg/ml dilution.