

Datasheet: VPA00530KT

Description:	ATP2A3 ANTIBODY WITH CONTROL LYSATE
Specificity:	ATP2A3
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid.
Preparation	20µl Rabbit polyclonal antibody purified by affinity chromatography.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 2% Sucrose.
Immunogen	Synthetic peptide directed towards the middle region of human ATP2A3

External Database Links

UniProt:

[Q93084](#)

[Related reagents](#)

Entrez Gene:

[489](#)

ATP2A3

[Related reagents](#)

Specificity	<p>Rabbit anti Human ATP2A3 antibody recognizes ATP2A3 also known as sarcoplasmic/endoplasmic reticulum calcium ATPase 3, ATPase Ca(2+)-transporting ubiquitous, SR Ca(2+)-ATPase 3, calcium pump 3 or calcium-translocating P-type ATPase.</p> <p>ATP2A3 gene encodes one of the SERCA Ca(2+)-ATPases, 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).</p> <p>Rabbit anti Human ATP2A3 antibody detects a band of 114 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti ATP2A3 detects a band of approximately 114 kDa in Jurkat cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol .
Lysate Composition	400µg Jurkat lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
Guarantee	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	<p>Material Safety Datasheet documentation #10045 #10561 available at: Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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15, 2021, we will no longer supply printed datasheets with our products.
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