

Datasheet: VMA00114

BATCH NUMBER 240615

Description:	MOUSE ANTI ATP5B
Specificity:	ATP5B
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OT11F7
Isotype:	IgG1
Quantity:	100 µl

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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography from ascites.

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Full length recombinant human ATP5B (NP_001677) produced in HEK293T cells
External Database Links	<p>UniProt: P06576 Related reagents</p> <p>Entrez Gene: 506 ATP5B Related reagents</p>
Synonyms	ATPMB, ATPSB
Specificity	<p>Mouse anti Human ATP5B antibody, clone OT11F7 recognizes ATP5B, also known as ATP synthase subunit beta, mitochondrial, epididymis secretory protein Li 271, mitochondrial ATP synthase beta subunit and mitochondrial ATP synthetase, beta subunit.</p> <p>Encoded by the ATP5B gene, ATP synthase subunit beta is a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). ATP5B encodes the beta subunit of the catalytic core (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human ATP5B antibody detects a band of 57 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti ATP5B detects a band of approximately 57 kDa in HeLa cell lysates.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/VMA00114 Antibody (10048)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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