Datasheet: VMA00190

Description:	MOUSE ANTI ATP6V1B2
Specificity:	ATP6V1B2
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI1E11
Isotype:	IgG2a
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

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

Species Cross Reactivity

Reacts with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography from ascites.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin
50% Glycerol

Immunogen

Full length recombinant human ATP6V1B2 (NP_001684) produced in HEK293T cells

External Database Links

UniProt:
P21281 Related reagents

Entrez Gene:
526 ATP6V1B2 Related reagents

Synonyms	ATP6B2, VPP3
Specificity	**Mouse anti Human ATP6V1B2 antibody** recognizes ATP6V1B2, brain isoform, also known as H+ transporting two-sector ATPase, V-ATPase B2 subunit, V-ATPase subunit B 2, V-type proton ATPase subunit B, brain isoform, endomembrane proton pump 58 kDa subunit, vacuolar H+-ATPase 56,000 subunit and vacuolar proton pump subunit B 2. ATP6V1B2 encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by ATP6V1B2 is one of two V1 domain B subunit isoforms and is the only B isoform highly expressed in osteoclasts (provided by RefSeq, Jul 2008). Mouse anti Human ATP6V1B2 antibody detects a band of 52 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti ATP6V1B2 detects a band of approximately 52 kDa in K562 cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20^{o}C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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