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

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, Rat
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 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, clone OTI1E11** 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, clone OTI1E11 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.
Storage	Store undiluted at -20^{o}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: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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