

Datasheet: VMA00280

Description:	MOUSE ANTI ATG3
Specificity:	ATG3
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI3C6
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
Immunoprecipitation	▪			
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 (NaN₃)
1% Bovine Serum Albumin

50% Glycerol

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
---------------------------------------	------------------------------

Immunogen	Full length recombinant human ATG3 (NP_071933) produced in HEK293T cells
------------------	--

External Database Links	UniProt: Q9NT62 Related reagents
	Entrez Gene: 64422 ATG3 Related reagents

Synonyms	APG3, APG3L
-----------------	-------------

Specificity	Mouse anti Human ATG3 antibody recognizes the ubiquitin-like-conjugating enzyme ATG3, also known as 2610016C12Rik, ATG3 autophagy related 3 homolog, autophagy-related protein 3, hApg3, ubiquitin-like-conjugating enzyme ATG3.
--------------------	---

A product of the ATG3 gene, ubiquitin-like-conjugating enzyme ATG3 is a ubiquitin-like-conjugating enzyme and is a component of ubiquitination-like systems involved in autophagy, the process of degradation, turnover and recycling of cytoplasmic constituents in eukaryotic cells. This protein is known to play a role in regulation of autophagy during cell death. A pseudogene of ATG3 is located on chromosome 20. Alternative splicing results in multiple transcript variants encoding different isoforms (provided by RefSeq, Jul 2013).

Mouse anti Human ATG3 antibody detects a band of 40 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti ATG3 detects a band of approximately 40 kDa in Jurkat 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: 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 Tel: +1 800 265 7376

America 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

'M397932:220621'

Printed on 21 Jun 2022

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)