

Datasheet: VMA00280

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| 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 |
|------------------|-----|----|----------------|--------------------|
| 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

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|---------------------------------------|-----------------------------|
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
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| Immunogen | Full length recombinant human ATG3 (NP_071933) produced in HEK293T cells |
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| External Database Links | UniProt: Q9NT62 Related reagents |
| | Entrez Gene: 64422 ATG3 Related reagents |

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

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| 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.

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| Western Blotting | Anti ATG3 detects a band of approximately 40 kDa in Jurkat cell lysates |
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| Storage | Store undiluted at -20°C, avoiding repeated freeze thaw cycles. |
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| Guarantee | 12 months from date of despatch |
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|-------------------------|---|
| Acknowledgements | PrecisionAb is a trademark of Bio-Rad Laboratories. |
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| Health And Safety Information | Material Safety Datasheet documentation #10048 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf |
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|-------------------|----------------------------|
| 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)

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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

'M377285:210216'

Printed on 23 Mar 2021

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