

Datasheet: VMA00280

**BATCH NUMBER 151112**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | MOUSE ANTI ATG3        |
| <b>Specificity:</b>  | ATG3                   |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Monoclonal |
| <b>Clone:</b>        | OTI3C6                 |
| <b>Isotype:</b>      | IgG2a                  |
| <b>Quantity:</b>     | 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](http://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

0.09% Sodium Azide (NaN<sub>3</sub>)

|                                       |   |
|---------------------------------------|---|
| <b>Stabilisers</b>                    | 1% Bovine Serum Albumin<br>50% Glycerol   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml   |
| <b>Immunogen</b>                      | Full length recombinant human ATG3 (NP_071933) produced in HEK293T cells  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">Q9NT62</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">64422</a>    ATG3    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | APG3, APG3L   |
| <b>Specificity</b>                    | <p><b>Mouse anti Human ATG3 antibody</b> 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.</p> <p>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).</p> <p>Mouse anti Human ATG3 antibody detects a band of 40 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>               | Anti ATG3 detects a band of approximately 40 kDa in Jurkat cell lysates   |
| <b>Storage</b>                        | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.   |
| <b>Guarantee</b>                      | 12 months from date of despatch   |
| <b>Acknowledgements</b>               | PrecisionAb is a trademark of Bio-Rad Laboratories.   |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10048 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/VMA00280">https://www.bio-rad-antibodies.com/SDS/VMA00280</a><br>Antibody (10048)   |
| <b>Regulatory</b>                     | For research purposes only  |

## Related Products

### Recommended Secondary Antibodies

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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](https://bio-rad-antibodies.com/datasheets)

'M375838:210112'

**Printed on 19 Jan 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)