

Datasheet: AAM79

BATCH NUMBER 170510

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| Description: | RABBIT ANTI ATG5-ATG12 COMPLEX (C-TERMINAL) |
| Specificity: | ATG5-ATG12 COMPLEX (C-TERMINAL) |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 mg |

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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | | | ▪ | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 1.0 - 2.0ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Mouse

Species Cross Reactivity

Reacts with: Human

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

Antiserum Preparation

Antiserum to mouse Atg5 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline.

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| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |
| Immunogen | KLH conjugated synthetic peptide corresponding to amino acids 262-275 of mouse Atg5. The corresponding sequence differs by one amino acid in human. |
| External Database Links | <p>UniProt:</p> <p>Q99J83 Related reagents</p> <p>Q9H1Y0 Related reagents</p> <p>Q9CQY1 Related reagents</p> <p>O94817 Related reagents</p> <p>Entrez Gene:</p> <p>11793 Atg5 Related reagents</p> <p>9474 ATG5 Related reagents</p> <p>9140 ATG12 Related reagents</p> <p>67526 Atg12 Related reagents</p> |
| Synonyms | Apg12, APG12, Apg12I, APG12L, Apg5I, APG5L, ASP |
| RRID | AB_10843431 |
| Specificity | <p>Rabbit anti ATG5-ATG12 Complex antibody recognizes an epitope within the C-Terminal (CT) region of the Atg5-Atg12 complex, which plays a key role in the regulation of autophagy, and is emerging as an important factor in the innate immune response to viruses (Hwang <i>et al.</i> 2012).</p> <p>The Atg5-Atg12 complex interacts with retinoic acid-inducible gene 1 and the adaptor molecule IFN-beta promoter stimulator 1, through caspase recruitment domains, thereby acting as a negative regulator of the type I IFN production pathway, and as a contributor to RNA viral replication within the host cells (Takeshita <i>et al</i> 2008).</p> |
| Western Blotting | AAM79 detects a band of approximately 56kDa in mouse liver and human U87 cell lysates. |
| References | 1. Lang, F. <i>et al.</i> (2015) Apoptotic Cell Death Induced by Resveratrol Is Partially Mediated by the Autophagy Pathway in Human Ovarian Cancer Cells. PLoS One. 10 (6): e0129196 . |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |

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| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AAM79 10040 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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