

Datasheet: AAM79

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.
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.
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**

UniProt:

[Q99J83](#) [Related reagents](#)
[Q9H1Y0](#) [Related reagents](#)
[Q9CQY1](#) [Related reagents](#)
[O94817](#) [Related reagents](#)

Entrez Gene:

[11793](#) Atg5 [Related reagents](#)
[9474](#) ATG5 [Related reagents](#)
[9140](#) ATG12 [Related reagents](#)
[67526](#) Atg12 [Related reagents](#)

Synonyms Apg12, APG12, Apg12l, APG12L, Apg5l, APG5L, ASP

Specificity **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 *et al.* 2012).

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 *et al* 2008).

Western Blotting AAM79 detects a band of approximately 56kDa in mouse liver and human U87 cell lysates.

References 1. Lang, F. *et al.* (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 Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
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.

Shelf Life 18 months from date of despatch.

**Health And Safety
Information** Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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