

Datasheet: AHP2219

Description:	RABBIT ANTI ATG3
Specificity:	ATG3
Other names:	APG3-LIKE
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	▪			5 - 10ul
Western Blotting	▪			2.0 - 4.0ug/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	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human ATG3 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 17-32 of human ATG3. The

corresponding sequence is identical in rat and mouse.

**External Database
Links**

UniProt:

Q9NT62	Related reagents
Q9CPX6	Related reagents
Q6AZ50	Related reagents

Entrez Gene:

64422	ATG3	Related reagents
67841	Atg3	Related reagents
171415	Atg3	Related reagents

Synonyms

APG3, Apg3l, APG3L

Specificity

Mouse anti Human ATG3 antibody recognises ATG3 (Autophagy-related protein 3), otherwise known as APG3, a widely expressed E2-like enzyme, and member of the ATG3 family, which plays a key role in autophagosome formation, by catalyzing the conjugation of ATG8-like proteins to phosphatidylethanolamine (PE), in conjunction with ATG7.

ATG3 also plays a role in the regulation of mitochondrial homeostasis and cell death, through conjugation with ATG12 at Lys243.

Mouse anti Human ATG3 antibody (AHP2219) has been shown to be suitable for use in immunoprecipitation using rat NRK cell lysates.

Western Blotting

AHP2219 detects a band of approximately 36kDa in HeLa and mouse 3T3 cell lysates.

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 <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Sheep Anti Rabbit IgG (STAR54...)	HRP

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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