

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	<p>Reacts with: Mouse, Rat</p> <p>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.</p>
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	<0.1% 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	<p>UniProt:</p> <p>Q9NT62 Related reagents</p> <p>Q9CPX6 Related reagents</p> <p>Q6AZ50 Related reagents</p> <p>Entrez Gene:</p> <p>64422 ATG3 Related reagents</p> <p>67841 Atg3 Related reagents</p> <p>171415 Atg3 Related reagents</p>
Synonyms	APG3, Apg3l, APG3L
RRID	AB_10852117
Specificity	<p>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.</p> <p>ATG3 also plays a role in the regulation of mitochondrial homeostasis and cell death, through conjugation with ATG12 at Lys243.</p> <p>Mouse anti Human ATG3 antibody (AHP2219) has been shown to be suitable for use in immunoprecipitation using rat NRK cell lysates.</p>
Western Blotting	AHP2219 detects a band of approximately 36kDa in HeLa and mouse 3T3 cell lysates.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 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

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

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

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

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

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

Recommended Useful Reagents

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

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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

'M389192:210806'

Printed on 21 Mar 2022
