

Datasheet: AHP2220

BATCH NUMBER 160127

Description:	RABBIT ANTI HUMAN ATG4A
Specificity:	ATG4A
Other names:	APG4A, CYSTEINE PROTEASE ATG4A
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 - 10ug
Western Blotting			▪	

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

Based on sequence similarity, is expected to react 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

Antiserum Preparation

Antiserum to human ATG4A 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 100-114 of human ATG4A. The corresponding sequence differs by 2 amino acids in mouse and rat.
External Database Links	<p>UniProt: Q8WYN0 Related reagents</p> <p>Entrez Gene: 115201 ATG4A Related reagents</p>
Synonyms	APG4A, AUTL2
RRID	AB_10846926
Specificity	<p>Rabbit anti Human ATG4A antibody recognises human ATG4A (Autophagy-related protein 4 homolog A), otherwise known as APG4A/Cysteine protease ATG4A, a cytosolic cysteine protease and member of the peptidase C54 family, predominantly expressed in skeletal muscle and brain, which plays a central role in the cleavage of the C-Terminal region of the target proteins GABARAPL2, MAP1LC3 or GABARAP during autophagy.</p> <p>Rabbit anti Human ATG4A antibody (AHP2220) has been shown to be suitable for use in immunoprecipitation using HEK-293T cell lysates.</p>
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>
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/AHP2220 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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

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

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