

Datasheet: AHP2221

Description:	RABBIT ANTI HUMAN ATG4C
Specificity:	ATG4C
Other names:	APG4C, CYSTEINE PROTEASE ATG4C
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	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human ATG4C 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 51-65 of human ATG4C.
External Database Links	<p>UniProt: Q96DT6 Related reagents</p> <p>Entrez Gene: 84938 ATG4C Related reagents</p>
Synonyms	APG4C, AUTL1, AUTL3
RRID	AB_10843308
Specificity	<p>Rabbit anti Human ATG4C antibody recognises ATG4C (Autophagy-related protein 4 homolog C), otherwise known as APG4C/Cysteine protease ATG4C, a cytosolic cysteine protease and member of the peptidase C54 family, predominantly expressed in heart, liver, skeletal muscle and testis.</p> <p>Orthologues of ATG4, play a central role in the cleavage of the C-Terminal region of the target proteins GABARAPL2, MAP1LC3 or GABARAP during autophagy, and studies have implicated that ATG4C may be particularly relevant to the autophagic response under stressful conditions, such as during prolonged starvation.</p>
Western Blotting	AHP2221 detects a band of approximately 50-52kDa in HEK-293T cell lysates.
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	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](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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