

## Datasheet: AHP2098

<b>Description:</b>	RABBIT ANTI ATG4B
<b>Specificity:</b>	ATG4B
<b>Other names:</b>	APG4B
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			10 ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1 ug/ml - 3 ug/ml
Immunofluorescence			▪	
Functional Assays			▪	

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.

**(1) This product requires antigen retrieval using heat treatment. Citrate buffer, pH 6.0 is recommended for this purpose.**

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Zebrafish, Xenopus, Mouse, Rat, Chicken, Fish

**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.

<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to ATG4 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography on Protein G.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> ) 0.2% Gelatin
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.5 mg/ml
<b>Immunogen</b>	Synthetic peptide corresponding to a portion of the amino acid sequence between 300-450 of human ATG4 – KLH conjugated.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9Y4P1</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">23192</a>   ATG4B   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	APG4B, AUTL1, KIAA0943
<b>RRID</b>	AB_2064413
<b>Specificity</b>	<p><b>Rabbit anti ATG4B antibody</b> recognizes human Cysteine protease ATG4B, also known as AUT-like 1 cysteine endopeptidase, Autophagin-1, Autophagy-related cysteine endopeptidase 1 or Autophagy-related protein 4 homolog B. ATG4B is a 393 amino acid ~45 kDa cytoplasmic cysteine protease. ATG4B is expressed mainly in skeletal muscle tissue but also in brain, heart, liver and pancreas (<a href="#">Mariño et al. 2003</a>).</p> <p>ATG4 is involved in cytoplasm to vacuole transport and is involved in the progress of autophagy (<a href="#">Scherz-Shouval et al. 2007</a>).</p>
<b>Histology Positive Control Tissue</b>	Human heart
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety</b>	Material Safety Datasheet documentation #10050 available at:

**Information** 10050: <https://www.bio-rad-antibodies.com/uploads/MSDS/10050.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

[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](https://bio-rad-antibodies.com/datasheets)  
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