

## Datasheet: AHP2160

<b>Description:</b>	RABBIT ANTI ATG5
<b>Specificity:</b>	ATG5
<b>Other names:</b>	APG5-LIKE
<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	▪			5ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 2ug/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.

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Zebrafish, Bovine, Pig, Rat, Mouse, 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.

### Product Form

Purified IgG - liquid

**Antiserum Preparation** Antisera to ATG5 were raised by repeated immunisation of rabbits with highly purified

antigen. Purified IgG prepared from whole serum by affinity chromatography.

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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.05% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.2% Gelatin

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<b>Approx. Protein Concentrations</b>	Total protein concentration 0.5mg/ml
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<b>Immunogen</b>	Synthetic peptide sequence corresponding to a region between amino acids 1-50 of human ATG5 - conjugated to KLH.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q9H1Y0</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">9474</a> ATG5 <a href="#">Related reagents</a>
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<b>Synonyms</b>	APG5L, ASP
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<b>RRID</b>	AB_2062333
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<b>Specificity</b>	<b>Rabbit anti ATG5 antibody</b> recognizes human autophagy related 5 homolog (ATG5).  ATG5 is an essential protein involved in the autophagy process and conjugates to ATG12.  ATG5 may play an important role in apoptosis where it is expressed late in the apoptotic process downstream of caspase activity.
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<b>Immunohistology</b>	This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
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<b>Histology Positive Control Tissue</b>	Human kidney
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<b>Storage</b>	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.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10050 available at: 10050: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10050.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10050.pdf</a>
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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[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)

'M364123:200529'

**Printed on 23 Mar 2021**