

## 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.

|                                       |                                                                                                                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>                 | Human                                                                                                                                                                                 |
| <b>Species Cross Reactivity</b>       | Based on sequence similarity, is expected to react with: Zebrafish, Bovine, Pig, Rat, Mouse, Fish<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species. |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                                                                                                 |
| <b>Antiserum Preparation</b>          | Antisera to ATG5 were raised by repeated immunisation of rabbits with highly purified antigen.<br>Purified IgG prepared from whole serum by affinity chromatography.                  |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                             |
| <b>Preservative Stabilisers</b>       | 0.05% Sodium Azide (NaN <sub>3</sub> )<br>0.2% Gelatin                                                                                                                                |
| <b>Approx. Protein Concentrations</b> | Total protein concentration 0.5mg/ml                                                                                                                                                  |

|                                          |                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>                         | Synthetic peptide sequence corresponding to a region between amino acids 1-50 of human ATG5 - conjugated to KLH.                                                                                                                                                                                                                    |
| <b>External Database Links</b>           | <p><b>UniProt:</b><br/> <a href="#">Q9H1Y0</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">9474</a>    ATG5    <a href="#">Related reagents</a></p>                                                                                                                                             |
| <b>Synonyms</b>                          | APG5L, ASP                                                                                                                                                                                                                                                                                                                          |
| <b>Specificity</b>                       | <p><b>Rabbit anti ATG5 antibody</b> recognises human autophagy related 5 homolog (ATG5).</p> <p>ATG5 is an essential protein involved in the autophagy process and conjugates to ATG12.</p> <p>ATG5 may play an important role in apoptosis where it is expressed late in the apoptotic process downstream of caspase activity.</p> |
| <b>Immunohistochemistry</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.                                                                                                                                    |
| <b>Histology Positive Control Tissue</b> | Human kidney                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>                           | <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>              |
| <b>Shelf Life</b>                        | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                    |
| <b>Health And Safety Information</b>     | Material Safety Datasheet documentation #10050 available at:<br>10050: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10050.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10050.pdf</a>                                                                                                                            |
| <b>Regulatory</b>                        | For research purposes only                                                                                                                                                                                                                                                                                                          |

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

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

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

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

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

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

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