Datasheet: VPA00230

Description: RABBIT ANTI ATG7

Specificity: ATG7

Format: Purified

Product Type: PrecisionAb™ Polyclonal

Isotype: Polyclonal IgG

Quantity: 100 µl

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Blotting</td>
<td>Yes</td>
<td>No</td>
<td>Not Determined</td>
<td>1/1000</td>
</tr>
</tbody>
</table>

**PrecisionAb antibodies have been extensively validated for the western blot application.** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species: Human

Product Form: Purified IgG - liquid

Preparation: Rabbit polyclonal antibody purified by affinity chromatography

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide (NaN₃)

Immunogen: KLH conjugated synthetic peptide between 540-569 amino acids from the C-terminal region of human ATG7

External Database Links

UniProt: O95352  Related reagents

Entrez Gene: 10533  ATG7  Related reagents

Synonyms: APG7L

Specificity: Rabbit anti Human ATG7 antibody recognizes ubiquitin-like modifier-activating enzyme ATG7,
also known as ATG12-activating enzyme E1 ATG7, ATG7 autophagy related 7 homolog, autophagy-related protein 7, hAGP7 and ubiquitin activating enzyme E1-like protein.

ATG7 was identified based on homology to Pichia pastoris GSA7 and Saccharomyces cerevisiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes (provided by RefSeq, Jan 2009).

Rabbit anti Human ATG7 antibody detects a band of 78 kDa. The antibody has been extensively validated for western blotting using whole cell lysates. This antibody is available with a positive control lysate, in a smaller trial size, and as a standalone antibody.

**Western Blotting**

Anti ATG7 detects a band of approximately 78 kDa in HeLa cell lysates

**Instructions For Use**

Please refer to the [PrecisionAb western blotting protocol](https://www.bio-rad-antibodies.com). For additional information on secondary antibody dilution and exposure time see product web page.

**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

**Shelf Life**

As supplied, 12 months from date of despatch.

**Acknowledgements**

PrecisionAb™ is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

Goat Anti Rabbit IgG (H/L) (STAR208...) HRP

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