

## Datasheet: AHP2222

<b>Description:</b>	RABBIT ANTI ATG7
<b>Specificity:</b>	ATG7
<b>Other names:</b>	UBIQUITIN-ACTIVATING ENZYME E1-LIKE PROTEIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2.5 - 5.0ug/ml
ELISA			▪	
Immunoprecipitation	▪			1.0 - 2.0ul
Western Blotting	▪			0.5 - 1.0ug/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.

**(1)Heat-mediated antigen retrieval is required prior to staining paraffin sections with this antibody. Bio-Rad recommends citrate buffer, pH6.0, for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human ATG7 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml

**Immunogen** KLH conjugated synthetic peptide corresponding to amino acids 38-50 of human ATG7. The corresponding sequence is identical in mouse and rat.

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**External Database**

**Links**

**UniProt:**

[O95352](#)      [Related reagents](#)  
[Q9D906](#)      [Related reagents](#)  
[Q641Y5](#)      [Related reagents](#)

**Entrez Gene:**

[10533](#)    ATG7    [Related reagents](#)  
[74244](#)    Atg7    [Related reagents](#)  
[312647](#)    Atg7    [Related reagents](#)

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**Synonyms**

Apg7l, APG7L

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**Specificity**

**Rabbit anti Human ATG7 antibody** recognises human Ubiquitin-like modifier-activating enzyme ATG7, also known as autophagy-related protein 7 or ubiquitin-activating enzyme E1-like protein. ATG7 is a widely expressed, evolutionally conserved cytoplasmic protein and member of the ATG7 family, which plays an essential role in the formation of autophagy conjugation systems, such as ATG8-like proteins and ATG12, and in the formation of autophagosomes.

Rabbit anti Human ATG7 antibody is suitable for use in immunoprecipitation using human U87 cell lysates.

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**Western Blotting**

AHP2222 detects a band of approximately 75kDa in mouse 3T3 and rat PC12 cell lysates.

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**Storage**

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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**Shelf Life**

18 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation available at:  
Material Safety Datasheet documentation #10040 available at  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)      [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...)      [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...)      [Biotin](#)  
Sheep Anti Rabbit IgG (STAR36...)      [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

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

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

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

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