Datasheet: AHP1651T

Description:	RABBIT ANTI HUMAN ATG7 (C-TERMINAL)
Specificity:	ATG7 (C-Terminal)
Other names:	UBIQUITIN-ACTIVATING ENZYME E1-LIKE PROTEIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			10ug/ml
Western Blotting	▪			1 - 2ug/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.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to human ATG7 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide (NaN_3)

Approx. Protein Concentrations

IgG concentration 1.0mg/ml

Immunogen

A peptide corresponding to an 17 amino acid sequence from near the carboxy terminus of human ATG7.

External Database Links

UniProt:

	O95352 Related reagents Q9D906 Related reagents **Entrez Gene:** 10533 ATG7 Related reagents 74244 Atg7 Related reagents
Synonyms	Apg7l, APG7L
Specificity	**Rabbit anti Human ATG7 (C-Terminal) antibody** recognizes human Autophagy-related protein 7, known also as Ubitiquin Activating Enzyme-E1 like Protein, ATG7 and APG7, a ~78 kDa cytoplasmic protein. In mammalian cells, ATG7 is essential for autophagy conjugation systems, autophagosome formation, starvation-induced bulk degradation of proteins and organelles. Studies indicate that caspase-8 may alter ATG7 levels and thus the ATG7 program of autophagic cell death. ATG7 is evolutionally conserved and exhibits high homology within mammalian species. It expressed in wide range of tissues including kidney, liver, bone marrow and lymph nodes.
Western Blotting	AHP1651T detects a band of approximately 78kDa in Caco-2 cell lysate.
References	1. Pampliega, O. *et al.* (2013) Functional interaction between autophagy and ciliogenesis. Nature. 502 (7470): 194-200.
Storage	Store at +4^{o}C or at -20^{o}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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) HRP

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