

Datasheet: AHP2214

Description:	RABBIT ANTI ATG1
Specificity:	ATG1
Other names:	ULK1
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 - Paraffin	■			10ug/ml
Western Blotting	■			1 - 3ug/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: Monkey N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human ULK1 were 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	0.09% Sodium Azide (NaN ₃) 0.2% Gelatin
Approx. Protein Concentrations	Total protein concentration 0.5mg/ml
Immunogen	A synthetic peptide corresponding to an amino acid sequence within the region 320-370 of Human ULK1.
External Database Links	UniProt:

Entrez Gene:

[8408](#) ULK1 [Related reagents](#)

Synonyms	KIAA0722
Specificity	Rabbit anti Human ATG1 antibody recognises Human Serine/threonine-protein kinase ULK1, also known as Autophagy-related protein 1 homolog, ATG1 or Unc-51-like kinase 1. ATG1 is a 1050 amino acid ~115 kDa, ubiquitously expressed cytoplasmic protein belonging to the serine/threonine protein kinase family. ATG1 is an autophagy related protein which is required for the formation of autophagosomes. ATG1 is the target of the TOR kinase signalling pathway regulating autophagy and forms a complex with ATG13 and RB1CC1. ATG1 is strongly expressed in a wide range of adult tissues including heart, lung, kidney, brain, liver, pancreatic tissue and skeletal muscle.
Immunohistology	This product does not require protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
Histology Positive Control Tissue	Human kidney
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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10050 available at: 10050: https://www.bio-rad-antibodies.com/uploads/MSDS/10050.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

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

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

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

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

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