

## Datasheet: AHP2214

<b>Description:</b>	RABBIT ANTI ULK1
<b>Specificity:</b>	ULK1
<b>Other names:</b>	ATG1
<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
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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Monkey</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	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.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<p>0.09% Sodium Azide (NaN<sub>3</sub>)</p> <p>0.2% Gelatin</p>

<b>Approx. Protein Concentrations</b>	Total protein concentration 0.5mg/ml
<b>Immunogen</b>	A synthetic peptide corresponding to an amino acid sequence within the region 320-370 of Human ULK1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O75385</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8408</a>    ULK1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	KIAA0722
<b>RRID</b>	AB_10845155
<b>Specificity</b>	<p><b>Rabbit anti Human ULK1 antibody</b> recognises Human Serine/threonine-protein kinase ULK1, also known as Autophagy-related protein 1 homolog, ATG1 or Unc-51-like kinase 1. ULK1 is a 1050 amino acid ~115 kDa, ubiquitously expressed cytoplasmic protein belonging to the serine/threonine protein kinase family.</p> <p>ULK1 is an autophagy related protein which is required for the formation of autophagosomes. ULK1 is the the target of the TOR kinase signalling pathway regulating autophagy and forms a complex with ATG13 and RB1CC1.</p> <p>ULK1 is strongly expressed in a wide range of adult tissues including heart, lung, kidney, brain, liver, pancreatic tissue and skeletal muscle.</p>
<b>Immunohistology</b>	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.
<b>Histology Positive Control Tissue</b>	Human kidney
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10050 available at: 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 \(STAR3000A\)](#)

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

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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