

## Datasheet: AHP1594

<b>Description:</b>	RABBIT ANTI HUMAN ASK1 (C-TERMINAL)
<b>Specificity:</b>	ASK1 (C-TERMINAL)
<b>Other names:</b>	APOPTOSIS SIGNAL-REGULATING KINASE 1
<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	■			10ug/ml
Immunohistology - Paraffin			■	
ELISA			■	
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human ASK1 (CT) was 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>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml

<b>Immunogen</b>	A peptide corresponding to amino acids near the carboxy terminus of human ASK1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q99683</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">4217</a>    MAP3K5    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	ASK1, MAPKKK5, MEKK5
<b>RRID</b>	AB_2140065
<b>Specificity</b>	<p><b>Rabbit anti Human ASK1 antibody</b> recognises human ASK1, also known as apoptosis signal-regulating kinase 1, MAP kinase kinase kinase or MAPKKK. ASK1 is a ~155 kDa protein belonging to the protein kinase superfamily.</p> <p>ASK1 is a serine/threonine kinase and plays an important role in the apoptotic response to various stimuli including oxidative stress, cytokines (e.g. TNF) and endoplasmic reticulum stress. Akt in conjunction to Hsp90 phosphorylates ASK1 at Ser83 to inhibit ASK1 induced apoptosis.</p> <p>ASK1 is widely expressed in a variety of human tissues including the heart and pancreas.</p>
<b>Western Blotting</b>	AHP1594 detects a band of approximately 155kDa in SW1353 cell lysates.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Ichijo H., <i>et al</i> (1997) Induction of apoptosis by ASK1, a mammalian MAPKKK that activates SAPK/JNK and p38 signaling pathways. <a href="#">Science 275:90-4.</a></li> <li>2. Wang XS, <i>et al</i> (1996) Molecular cloning and characterization of a novel protein kinase with a catalytic domain homologous to mitogen-activated protein kinase kinase kinase. <a href="#">J Biol Chem 271:31607-11.</a></li> <li>3. Tobiume, K. <i>et al.</i> (1997) Molecular cloning and characterization of the mouse apoptosis signal-regulating kinase 1. <a href="#">Biochem Biophys Res Commun. 239 (3): 905-10.</a></li> </ol>
<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 #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1594">https://www.bio-rad-antibodies.com/SDS/AHP1594</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M381722:210512'

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