

Datasheet: AHP1242

BATCH NUMBER 100214

Description:	RABBIT ANTI ASK1 (pSer83)
Specificity:	ASK1 (pSer83)
Other names:	APOPTOSIS SIGNAL-REGULATING KINASE 1
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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/5,000 - 1/10,000
Immunoprecipitation			▪	
Western Blotting	▪			1/1,000
Functional Assays			▪	

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
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Product Form	Purified IgG - liquid
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Antiserum Preparation Antisera to ASK1 (pSER83) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by ion exchange chromatography.

Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
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Approx. Protein Concentrations	IgG concentration 2.0mg/ml
Immunogen	KLH conjugated peptide corresponding to amino acids 76-87 of human ASK-1 protein.
External Database Links	<p>UniProt: Q99683 Related reagents</p> <p>Entrez Gene: 4217 MAP3K5 Related reagents</p>
Synonyms	ASK1, MAPKKK5, MEKK5
RRID	AB_844577
Specificity	Rabbit anti ASK1 (pSer83) antibody recognizes apoptosis signal-regulating kinase 1 (ASK1), also known as mitogen-activated protein kinase kinase kinase 5 (MAP3K5) and MAPK/ERK kinase kinase 5 (MEKK 5), when phosphorylated at serine 83. ASK1 is a serine/threonine kinase that 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 serine 83 to inhibit ASK1 induced apoptosis.
Western Blotting	AHP1242 detects a band of approximately 155kDa in SW1353 cell lysates.
Further Reading	<ol style="list-style-type: none"> 1. Zhang, R. <i>et al.</i> (2005) Hsp90-Akt phosphorylates ASK1 and inhibits ASK1-mediated apoptosis. Oncogene. 24: 3954-3963. 2. Hayakawa, T. <i>et al.</i> (2006) The ASK1-MAP kinase pathways in immune and stress responses. Microbes Infect. 8: 1098-1107. 3. Takeda, K. <i>et al.</i> (2003) Roles of MAPKKK ASK1 in stress-induced cell death. Cell Struct. Funct. 28: 23-29.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP1242 10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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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

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