

Datasheet: AHP1594

BATCH NUMBER 121114

Description:	RABBIT ANTI HUMAN ASK1 (C-TERMINAL)
Specificity:	ASK1 (C-TERMINAL)
Other names:	APOPTOSIS SIGNAL-REGULATING KINASE 1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species Human

Product Form Purified IgG - liquid

Antiserum Preparation 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.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.02% Sodium Azide (NaN₃)

Approx. Protein IgG concentration 0.5 mg/ml

Concentrations

Immunogen A peptide corresponding to amino acids near the carboxy terminus of human ASK1.

External Database Links

UniProt:

[Q99683](#) [Related reagents](#)

Entrez Gene:

[4217](#) MAP3K5 [Related reagents](#)

Synonyms ASK1, MAPKKK5, MEKK5

RRID AB_2140065

Specificity

Rabbit anti Human ASK1 antibody 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.

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.

ASK1 is widely expressed in a variety of human tissues including the heart and pancreas.

Western Blotting AHP1594 detects a band of approximately 155kDa in SW1353 cell lysates.

Further Reading

1. Ichijo H., *et al* (1997) Induction of apoptosis by ASK1, a mammalian MAPKKK that activates SAPK/JNK and p38 signaling pathways. [Science 275:90-4.](#)
 2. Wang XS, *et al* (1996) Molecular cloning and characterization of a novel protein kinase with a catalytic domain homologous to mitogen-activated protein kinase kinase kinase. [J Biol Chem 271:31607-11.](#)
 3. Tobiume, K. *et al.* (1997) Molecular cloning and characterization of the mouse apoptosis signal-regulating kinase 1. [Biochem Biophys Res Commun. 239 \(3\): 905-10.](#)
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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.

Guarantee 12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1594>
10040

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](#)

Recommended Useful Reagents

[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

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