

Datasheet: AHP1594

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 (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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
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., <i>et al</i> (1997) Induction of apoptosis by ASK1, a mammalian MAPKKK that activates SAPK/JNK and p38 signaling pathways. Science 275:90-4. 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. J Biol Chem 271:31607-11. 3. Tobiume K, <i>et al</i> (1997) Molecular cloning and characterization of the mouse apoptosis signal-regulating kinase 1. Biochem. Biophys. Res. Commun. 239:905-10.
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 #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	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 (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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