

Datasheet: MCA6418GA

BATCH NUMBER 100007683

Description:	MOUSE ANTI HUMAN MAP3K14
Specificity:	MAP3K14
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	EF02-1H3
Isotype:	IgG1
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
Western Blotting	■			1/1,000

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
Species Cross Reactivity	<p>Reacts with: Mouse, Rat</p> <p>N.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>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein, aa 556-947 of human MAP3K14
External Database Links	<p>UniProt: Q99558 Related reagents</p> <p>Entrez Gene: 9020 MAP3K14 Related reagents</p>
Synonyms	NIK
Specificity	<p>Mouse anti human MAP3K14 antibody, clone EF02-1H3 recognizes mitogen-activated protein kinase kinase kinase 14 also known as NF-kappa-B-inducing kinase (NIK).</p> <p>MAP3K14 is a lymphotoxin beta-activated kinase that plays a role in the activation of NF-kappa-B and its transcriptional activity by promoting proteolytic processing of NFKB2/P100 (Liao et al. 2004). Overexpression of MAP3K14 is seen in inflammatory diseases, metabolic abnormalities, and the formation and progression of cancer. Loss of MAP3K14 causes severe immunological deficiencies (Pflug and Sitcheran, 2020).</p>
Western Blotting	Mouse anti Human MAP3K14 antibody detects a band of 104 kDa in Jurkat cell lysates. Multiple bands are observed when using Mouse anti human MAP3K14 antibody in western-blotting due to the poly-ubiquitination of MAP3K14 that can either stabilize and activate it or induce its degradation by the proteasome.
Storage	<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>
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/MCA6418GA10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE

Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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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