

Datasheet: VMA00323

Description:	MOUSE ANTI MAPK9 / JNK2
Specificity:	MAPK9 / JNK2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OT11A1
Isotype:	IgG1
Quantity:	100 µl

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	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

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.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography from ascites

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin

50% Glycerol

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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Immunogen	Full length recombinant human MAPK9 (NP_620707) produced in HEK293T cells
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External Database Links	UniProt: P45984 Related reagents
	Entrez Gene: 5601 MAPK9 Related reagents

Synonyms	JNK2, PRKM9
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Specificity	<p>Mouse anti Human MAPK9 / JNK2 antibody recognizes the mitogen-activated protein kinase 9, also known as Jun kinase, MAP kinase 9, c-Jun N-terminal kinase 2, c-Jun kinase 2, stress-activated protein kinase 1a and stress-activated protein kinase JNK2.</p> <p>Encoded by the MAPK9 (JNK2) gene, mitogen-activated protein kinase 9 is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. MAPK9 and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of MAPK9's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported (provided by RefSeq, Sep 2008).</p> <p>Mouse anti Human MAPK9 antibody detects a band of 54 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
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Western Blotting	Anti MAPK9 / JNK2 detects a band of approximately 54 kDa in HEK293 cell lysates
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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Guarantee	12 months from date of despatch
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Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
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Health And Safety Information	Material Safety Datasheet documentation #10048 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

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

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