

Datasheet: MCA6303

Description:	RABBIT ANTI p38 MAPK (pThr180/pTyr182)
Specificity:	p38 MAPK (pThr180/pTyr182)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM243
Isotype:	IgG
Quantity:	0.1 ml

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
Immunohistology - Paraffin	▪			1/500 - 1/1000
Western Blotting	▪			1/1000 - 1/2000

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
Preparation	Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A phospho-peptide corresponding to Human p38 MAPK (pThr180/Tyr182)
External Database Links	UniProt:

Entrez Gene:

[1432](#) MAPK14 [Related reagents](#)

Synonyms	CSBP, CSBP1, CSBP2, CSPB1, MXI2
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Specificity	<p>Rabbit anti Human MAPK14 (pThr180/pTyr182) antibody recognizes mitogen-activated protein kinase 14, also known as MAP kinase p38 alpha, CSBP, MXI2, SAPK2A, when phosphorylated at threonine 180 and tyrosine 182. MAPK14 is a member of the p38 MAP kinase (MAPK) family, and is a stress-activated serine/threonine protein kinase involved with inflammation. MAPK14 is activated in response to extracellular stress and helps regulate transcription and translation of specific genes, allowing a cell to fine-tune its response. Within the immune system, MAPK14 promotes production of pro-inflammatory cytokines from macrophages, and helps determine the strength and duration of the inflammatory response (Alam and Scheper 2016). MAPK14 is able to regulate a diverse range of biological processes, including cell proliferation, differentiation, apoptosis, senescence, and inflammation (Wu et al. 2019). In colon cancer, MAPK14 has been shown to be required for cell proliferation and survival, and its inhibition leads to cell cycle arrest and autophagy-mediated cell death (Paillas et al. 2012). MAPK14 inhibition has been suggested as a treatment for several inflammatory diseases, including Chron's disease and rheumatoid arthritis (She et al. 2018). MAPK14 is activated by phosphorylation of threonine 180 and tyrosine 182, by several upstream kinases, in response to a wide range of extracellular stimuli such as UV B irradiation or endotoxin exposure (Brichkina et al. 2016).</p>
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Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10048 available at: 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

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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