

Datasheet: MCA6304

BATCH NUMBER 155777

Description:	RABBIT ANTI p38 MAPK
Specificity:	p38 MAPK
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM245
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	▪			1/1000 - 1/5000
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

Species Cross Reactivity

Based on sequence similarity, is expected to react with:Rat, Mouse

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

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 peptide corresponding to Human p38 MAPK
External Database Links	<p>UniProt:</p> <p>Q16539 Related reagents</p> <p>P53778 Related reagents</p> <p>Entrez Gene:</p> <p>1432 MAPK14 Related reagents</p> <p>6300 MAPK12 Related reagents</p>
Synonyms	CSBP, CSBP1, CSBP2, CSPB1, ERK6, MXI2, SAPK3
Specificity	<p>Rabbit anti Human MAPK14 antibody recognizes mitogen-activated protein kinase 14, also known as p38alpha, CSBP, MXI2, SAPK2A. 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).</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/MCA6304</p> <p>10048</p>
Regulatory	For research purposes only

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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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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