

Datasheet: MCA6304

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|----------------------|----------------------|
| 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 Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

50% Glycerol

Immunogen A peptide corresponding to Human p38 MAPK

External Database Links

UniProt:

[Q16539](#) [Related reagents](#)

[P53778](#) [Related reagents](#)

Entrez Gene:

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

[6300](#) MAPK12 [Related reagents](#)

Synonyms CSBP, CSBP1, CSBP2, CSPB1, ERK6, MXI2, SAPK3

Specificity **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](#)).

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

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6304>
10048

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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