

Datasheet: AHP2645

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| Description: | RABBIT ANTI MAPK14 (pThr180/pTyr182) |
| Specificity: | MAPK14 (pThr180/pTyr182) |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 50 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 | ■ | | | 1/500 - 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: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to MAPK14 (pThr180/pTyr182) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative

0.02% Sodium Azide

Stabilisers

50% Glycerol

Immunogen

Phospho specific-peptide corresponding to residues surrounding threonine 180/tyrosine 182 of human MAPK14

External Database

Links

UniProt:

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

Entrez Gene:

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

Synonyms

CSBP, CSBP1, CSBP2, CSPB1, MXI2

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| Specificity | <p>Rabbit anti MAPK14 (pThr180/pTyr182) antibody recognizes mitogen-activated protein kinase 14 (MAPK14), also known as cytokine suppressive anti-inflammatory drug-binding protein, MAX-interacting protein 2 or MAP kinase p38 alpha, when phosphorylated at threonine 180 and tyrosine 182.</p> <p>MAPK14 is a serine threonine kinase and a member of the MAP kinase family. MAPK14 signaling plays a key role in the regulation of multiple processes including cell differentiation and proliferation.</p> <p>MAPK14 is phosphorylated at threonine 180 and tyrosine 182 by MAP2K3 and MAP2K6. Phosphorylation at threonine 180 and tyrosine 182 activates MAPK14 (Raingeaud <i>et al.</i> 1995).</p> |
| Further Reading | <p>1. Raingeaud, J. <i>et al.</i> (1995) Pro-inflammatory cytokines and environmental stress cause p38 mitogen-activated protein kinase activation by dual phosphorylation on tyrosine and threonine. J Biol Chem. 270 (13): 7420-6.</p> |
| Storage | <p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf |
| 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](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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| <p>North & South America</p> <p>Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com</p> | <p>Worldwide</p> | <p>Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com</p> | <p>Europe</p> <p>Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com</p> |
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