

## Datasheet: AHP2644

<b>Description:</b>	RABBIT ANTI MAPK14 (pThr180)
<b>Specificity:</b>	MAPK14 (pThr180)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
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<b>Product Form</b>	Purified IgG - liquid
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<b>Antiserum Preparation</b>	Antiserum to MAPK14 (pThr180) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	50% Glycerol

<b>Immunogen</b>	Phospho specific-peptide corresponding to residues surrounding threonine 180 of human MAPK14
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<b>External Database Links</b>	
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**UniProt:**

[Q16539](https://www.uniprot.org/entry/Q16539)

[Related reagents](#)

**Entrez Gene:**

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

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<b>Synonyms</b>	CSBP, CSBP1, CSBP2, CSPB1, MXI2
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<b>Specificity</b>	<p><b>Rabbit anti MAPK14 (pThr180) antibody</b> 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.</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 leading to phosphorylation of downstream targets such as transcription factors (<a href="#">Raingeaud <i>et al.</i> 1995</a>).</p>
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<b>Further Reading</b>	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. <a href="#">J Biol Chem. 270 (13): 7420-6.</a>
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<b>Storage</b>	Store at -20°C Storage in frost-free freezers is not recommended. 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.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: 10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>
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<b>Regulatory</b>	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](#)

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

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

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