

## Datasheet: AHP905

**BATCH NUMBER 172275**

<b>Description:</b>	RABBIT ANTI p38 MAPK (pThr180/pTyr182)
<b>Specificity:</b>	p38 MAPK (pThr180/pTyr182)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Learn about [how we validate our PrecisionAb range](#).** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

#### Target Species

Rat

#### Species Cross Reactivity

Reacts with: Human, Newt

Based on sequence similarity, is expected to react with: Chicken, Zebrafish, Bovine, Monkey, Mouse, Dog

**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

**Antiserum Preparation** Antisera to phosphorylated rat p38 MAPK were raised by repeated immunisations of

rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

---

<b>Buffer Solution</b>	10mM HEPES pH7.5
------------------------	------------------

---

<b>Preservative Stabilisers</b>	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol
---------------------------------	--

---

<b>Immunogen</b>	Synthetic phosphopeptide corresponding to an amino acid sequence within p38 MAPK which includes phosphorylated threonine180 and tyrosine 182.
------------------	---

---

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P70618</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">81649</a> Mapk14 <a href="#">Related reagents</a>
--------------------------------	--

---

<b>Synonyms</b>	Csbp1, Csbp2
-----------------	--------------

---

<b>RRID</b>	AB_567185
-------------	-----------

---

<b>Specificity</b>	<p><b>Rabbit anti Rat p38 MAPK (pThr180/pTyr182) antibody</b> recognizes mitogen-activated protein kinase p38 (p38 MAPK), also known as mitogen-activated protein kinase 14 (MAPK 14), when phosphorylated at threonine 180 and tyrosine 182.</p> <p>p38 MAPK is a serine/threonine kinase which plays an important role in signal transduction, contributing to the regulation of many cellular processes including cell differentiation and inflammation.</p> <p>p38MAPK 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.</p>
--------------------	---

---

<b>Western Blotting</b>	AHP905 recognises a band of approximately 39kD in Western blots of anisomycin C-6 glioma cell lysates.
-------------------------	--

---

<b>References</b>	<ol style="list-style-type: none"><li>1. Suzuki, K. and Namiki, H. (2012) Restraint of spreading-dependent activation of polymorphonuclear leukocyte NADPH oxidase in an acidified environment. <a href="#">J Cell Biochem. 113: 899-910.</a></li><li>2. Yun, M.H. <i>et al.</i> (2014) Sustained ERK activation underlies reprogramming in regeneration-competent salamander cells and distinguishes them from their mammalian counterparts. <a href="#">Stem Cell Reports. 3: 15-23.</a></li></ol>
-------------------	--

---

<b>Further Reading</b>	<ol style="list-style-type: none"><li>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></li></ol>
------------------------	---

---

**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

---

**Guarantee** 12 months from date of despatch

---

**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories

---

**Health And Safety Information** Material Safety Datasheet documentation #10088 available at: <https://www.bio-rad-antibodies.com/SDS/AHP905>

---

**Regulatory** For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M443146:250709'

Printed on 02 Dec 2025

---

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)