

## Datasheet: AHP2410

<b>Description:</b>	RABBIT ANTI p38 ALPHA MAPK
<b>Specificity:</b>	p38 ALPHA MAPK
<b>Other names:</b>	MAPK14
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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	■			1/200

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>	Mouse
<b>Species Cross Reactivity</b>	<p>Reacts with: Rat, Human</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography
<b>Antiserum Preparation</b>	Antiserum to p38 alpha MAPK was raised by repeated immunisation of rabbits with highly purified antigen
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.1% Sodium Azide (NaN <sub>3</sub> )

<b>Stabilisers</b>	0.2% Gelatin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.2 mg/ml
<b>Immunogen</b>	Peptide mapping to the carboxy terminus of mouse p38 alpha MAPK and sharing 100% homology with the human sequence
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P47811</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">26416</a>    Mapk14    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Crk1, Csbp1, Csbp2
<b>Specificity</b>	<p><b>Rabbit anti p38 alpha MAPK antibody</b> recognizes mitogen-activated protein kinase p38 alpha (p38-alpha MAPK), also known as MAP kinase 14 (MAPK14) and stress activated protein kinase 2a (SAPK2a). p38 alpha is a member of the p38 MAPK serine/threonine kinase protein family, which also includes p38-beta (MAPK11), p38-gamma (MAPK12) and p38-delta (MAPK13) (<a href="#">Cargnello and Roux 2011</a>).</p> <p>p38 alpha MAPK becomes activated in response to a variety of stimuli, which include inflammatory cytokines and oxidative stress (<a href="#">Cargnello and Roux 2011</a>). p38 alpha MAPK plays an essential role in mediating inflammation by regulating the expression of tumor necrosis factor alpha (TNF alpha) and interleukin 1 (IL-1) (<a href="#">Dhillon et al. 2007</a>). p38 MAPK proteins have been implicated in cancer development and p38 alpha MAPK has been proposed to act as a tumor suppressor (<a href="#">Dhillon et al. 2007</a>).</p>
<b>Western Blotting</b>	Rabbit anti p38 alpha MAPK recognizes a band of approximately 38 kDa when run under reducing conditions
<b>Storage</b>	<p>This product is shipped at ambient temperature.</p> <p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #20341 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/AHP2410">https://www.bio-rad-antibodies.com/SDS/AHP2410</a>  20341</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

## Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://bio-rad-antibodies.com/datasheets)  
'M439076:250523'

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