

## 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>	Reacts with: Rat, Human <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<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 Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> ) 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

**External Database  
Links**

**UniProt:**

[P47811](#) [Related reagents](#)

**Entrez Gene:**

[26416](#) Mapk14 [Related reagents](#)

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**Synonyms**

Crk1, Csbp1, Csbp2

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**Specificity**

**Rabbit anti p38 alpha MAPK antibody** 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) ([Cargnello and Roux 2011](#)).

p38 alpha MAPK becomes activated in response to a variety of stimuli, which include inflammatory cytokines and oxidative stress ([Cargnello and Roux 2011](#)). 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) ([Dhillon et al. 2007](#)). p38 MAPK proteins have been implicated in cancer development and p38 alpha MAPK has been proposed to act as a tumor suppressor ([Dhillon et al. 2007](#)).

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**Western Blotting**

Rabbit anti p38 alpha MAPK recognizes a band of approximately 38 kDa when run under reducing conditions

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**Storage**

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #20341 available at:  
20341: <https://www.bio-rad-antibodies.com/uploads/MSDS/20341.pdf>

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**Regulatory**

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 (2AB02...) [Biotin](#)

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

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

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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