

Datasheet: AHP2410

Description:	RABBIT ANTI p38 ALPHA MAPK
Specificity:	p38 ALPHA MAPK
Other names:	MAPK14
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Mouse
Species Cross Reactivity	Reacts with: Rat, Human N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography
Antiserum Preparation	Antiserum to p38 alpha MAPK was raised by repeated immunisation of rabbits with highly purified antigen
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃) 0.2% Gelatin
Approx. Protein Concentrations	IgG concentration 0.2 mg/ml
Immunogen	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](#)

Synonyms

Crk1, Csbp1, Csbp2

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).

Western Blotting

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

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.

Shelf Life

12 months from date of despatch

**Health And Safety
Information**

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

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

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

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

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

'M287030:160523'

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