

Datasheet: VMA00742

BATCH NUMBER 170727

Description:	MOUSE ANTI PP1 ALPHA
Specificity:	PP1 ALPHA
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI6E5
Isotype:	IgG1
Quantity:	100 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.

	Yes	No	Not Determined	Suggested Dilution
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. Click [here](#) to learn 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

Human

Species Cross Reactivity

Reacts with: Mouse, Rat
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

Preparation

Mouse monoclonal antibody affinity purified on Protein G from ascites

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide

Stabilisers	1% Bovine Serum Albumin
Immunogen	<i>E. coli</i> -derived full length recombinant protein of human PP1 alpha
External Database Links	<p>UniProt: P62136 Related reagents</p> <p>Entrez Gene: 5499 PPP1CA Related reagents</p>
Synonyms	PPP1A
Specificity	<p>Mouse anti Human PP1 alpha antibody recognizes PP1 alpha, also known as protein phosphatase 1-alpha isoform and serine/threonine protein phosphatase PP1-alpha 1 catalytic subunit.</p> <p>The protein encoded by PPP1CA is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Increased PP1 activity has been observed in the end stage of heart failure and is an important regulator of cardiac function. PP1 also appears to function as a suppressor of learning and memory. Three alternatively spliced transcript variants encoding different isoforms have been found for PPP1CA (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human PP1 alpha antibody detects a band of 38 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Mouse anti PP1 alpha detects a band of approximately 38 kDa in Jurkat cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/VMA00742 Antibody (10041)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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

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