

Datasheet: VMA00427

Description:	MOUSE ANTI PPM1G
Specificity:	PPM1G
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI1C12
Isotype:	IgG2a
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
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 purified by affinity chromatography from ascites

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
 1% Bovine Serum Albumin

50% Glycerol

Immunogen Full length recombinant human PPM1G (NP_817092) produced in HEK293T cells

External Database Links

UniProt:

[O15355](#) [Related reagents](#)

Entrez Gene:

[5496](#) PPM1G [Related reagents](#)

Synonyms PPM1C

Specificity **Mouse anti Human PPM1G antibody** recognizes the PPM1G, also known as protein phosphatase Mg²⁺/Mn²⁺ dependent 1G, PP2C gamma, PP2CG, protein phosphatase 1G (formerly 2C) and protein phosphatase 2C isoform gamma.

The protein encoded by the PPM1G gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome. Studies of a similar gene in mice suggested a role of this phosphatase in regulating cell cycle progression (provided by RefSeq, Apr 2010).

Mouse anti Human PPM1G antibody detects a band of 59 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti PPM1G detects a band of approximately 59 kDa in NIH/3T3 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 #10048 available at: Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

Europe

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M370184:200529'

Printed on 29 Aug 2021

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