

## Datasheet: VMA00588KT

<b>Description:</b>	PPP2CA ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	PPP2CA
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	2 Westerns

### 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	▪			1/1000

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant 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

20µl Mouse monoclonal antibody purified by affinity chromatography Protein G from ascites

#### Buffer Solution

HEPES buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)  
1% Bovine Serum Albumin

<50% Glycerol

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**Immunogen** Synthetic Peptide of human PPP2CA

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**External Database Links**

**UniProt:**

[P67775](#)   [Related reagents](#)

**Entrez Gene:**

[5515](#)   PPP2CA   [Related reagents](#)

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**Specificity**

**Mouse anti Human PPP2CA antibody** recognizes the serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform, also known as PP2A-alpha, protein phosphatase 2A catalytic subunit, alpha isoform or replication protein C.

PPP2CA gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. PPP2CA gene encodes an alpha isoform of the catalytic subunit (provided by RefSeq, Jul 2008).

Mouse anti Human PPP2CA antibody detects a band of 36 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti PPP2CA detects a band of approximately 36 kDa in HEK293 cell lysates

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**Instructions For Use**

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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**Lysate Composition**

400µg HEK293 lysate lyophilized in RIPA buffer

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**Lysate Reconstitution**

- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.

Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

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**Storage**

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

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**Guarantee**

As supplied, 12 months from date of despatch.

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**Acknowledgements**

PrecisionAb™ is a trademark of Bio-Rad Laboratories.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #20359 #10561 available at:  
Antibody (20359): <https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf>  
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

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

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