# Datasheet: MCA6416GA

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| **Description:** | MOUSE ANTI HUMAN PPP2R5E |
| **Specificity:** | PPP2R5E |
| **Format:** | Purified |
| **Product Type:** | Monoclonal Antibody |
| **Clone:** | IJ01-4C1 |
| **Isotype:** | IgG1 |
| **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 | ▪ | | | 1/1,000 |

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**

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**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide ($NaN_3$)

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| **Approx. Protein Concentrations** | IgG concentration 1.0 mg/ml |
| **Immunogen** | *E. coli*-derived recombinant protein, aa 1-467 of human PPP2R5E |
| **External Database Links** | **UniProt:**<br>Q16537 Related reagents<br><br>**Entrez Gene:**<br>5529 PPP2R5E Related reagents |
| **Specificity** | **Mouse anti human PPP2R5E antibody, clone IJ01-4C1** recognizes serine/threonine-protein phosphatase 2A 56-kDa regulatory subunit epsilon isoform, also known as PP2A B subunit isoform B'-epsilon or PP2A B subunit isoform B56-epsilon.<br><br>PPP2R5E is a member of the phosphatase 2A (PP2A) regulatory subunit B family and functions as a tumor suppressor in human cancers. Studies have also revealed that there may be a correlation between polymorphisms in PP2A subunit genes, including the PPP2R5E gene, and increased risk of lung cancer (Yang *et al*. 2013). Studies have also shown that PPP2R5E may play a role in the proliferation and apoptosis of gastric cancer cells (Liu *et al*. 2014). |
| **Western Blotting** | Mouse anti Human PPP2R5E antibody detects a band of 50 kDa in HeLa cell lysates |
| **Storage** | This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.<br><br>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. |
| **Guarantee** | 12 months from date of despatch |
| **Health And Safety Information** | Material Safety Datasheet documentation #10040 available at:<br>https://www.bio-rad-antibodies.com/SDS/MCA6416GA<br>10040 |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Secondary Antibodies

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| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos., HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |

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| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC, HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |

## 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


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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