

Datasheet: MCA6402

BATCH NUMBER 64711711

Description:	MOUSE ANTI HUMAN PPP2R5C
Specificity:	PPP2R5C
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AB01/1C2
Isotype:	IgG2a
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	▪			1/1000

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	<p>Reacts with: Mouse, Rat</p> <p>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.</p>
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)

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein, aa 375-513 of human PPP2R5C
External Database Links	<p>UniProt: Q13362 Related reagents</p> <p>Entrez Gene: 5527 PPP2R5C Related reagents</p>
Synonyms	KIAA0044
Specificity	<p>Mouse anti Human PPP2R5C antibody recognizes serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform, otherwise known as renal carcinoma antigen NY-REN-29.</p> <p>PPP2R5C belongs to the protein phosphatase 2A regulatory subunit B family. Protein phosphatase 2A (PP2A) is one of the four major serine/threonine phosphatases, and is involved in mediating cell growth and division. PP2A is a heterotrimeric protein consisting of a 36 kDa catalytic C subunit, a 65 kDa structural A subunit, and a variable regulatory B subunit. The exact B subunit present determines the substrate selectivity and catalytic activity of PP2A (McCright et al. 1996). PPP2R5C has also been shown to regulate ERK signaling through dephosphorylation of ERK (Letourneux et al. 2006).</p>
Western Blotting	Mouse anti Human PPP2R5C antibody detects a band of 70 kDa in K562 cell lysates
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6402
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Negative Controls

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M403729:220728'

Printed on 29 Jan 2026

© 2026 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)