

Datasheet: MCA1572

BATCH NUMBER 163058

Description:	MOUSE ANTI PROTEIN KINASE C ALPHA
Specificity:	PROTEIN KINASE C ALPHA
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	133
Isotype:	IgG2a
Quantity:	2 ml

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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			Neat - 1/10
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/10 - 1/500

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.

Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mammals

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

Tissue culture supernatant - liquid

Preservative Stabilisers

0.09% sodium azide (NaN₃)

Immunogen

Protein kinase C alpha.

External Database
Links

UniProt:

[P17252](#)

[Related reagents](#)

Entrez Gene:

[5578](#)

PRKCA

[Related reagents](#)

Synonyms	PKCA, PRKACA
RRID	AB_2284228
Fusion Partners	Spleen cells from immunized mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	<p>Mouse anti Protein Kinase C alpha antibody, clone 133 recognizes the α isoform of protein kinase C. PKC-α is a 672 amino acid enzyme containing a single AGC-kinase C-terminal domain, a C2 domain, 2 phorbol-ester/DAGtype zinc fingers and a single protein kinase domain (UniProt: P17252).</p> <p>Mouse anti Protein Kinase C alpha antibody, clone 133 recognizes the sequence PQFVHPILQSAV at the C terminus of PKCα.</p>
References	<p>1. Donovan, A.J. <i>et al.</i> (2012) Long QT2 mutation on the Kv11.1 ion channel inhibits current activity by ablating a protein kinase Cα consensus site. Mol Pharmacol. 82 (3): 428-37.</p> <p>2. Chaney, S.Y. <i>et al.</i> (2016) Increased proliferation of late-born retinal progenitor cells by gestational lead exposure delays rod and bipolar cell differentiation. Mol Vis. 22: 1468-89.</p>
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 #10336 available at: https://www.bio-rad-antibodies.com/SDS/MCA1572 10336
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
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 (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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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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