

Datasheet: HCA064

Description:	HUMAN ANTI CASEIN KINASE 2 ALPHA 1
Specificity:	CASEIN KINASE 2 ALPHA 1
Other names:	CKII ALPHA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5928
Isotype:	HuCAL Fab monovalent
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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			
Immunoprecipitation			■	
Western Blotting	■			1/100 - 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
Product Form	A monovalent human recombinant Fab (lambda light chain) selected from the HuCAL® GOLD phage display library, expressed in <i>E. coli</i> . The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied liquid.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Full length recombinant human CK2-alpha1 expressed in Sf9 cells.

**External Database
Links**

UniProt:

[P68400](#)

[Related reagents](#)

Entrez Gene:

[1457](#)

CSNK2A1

[Related reagents](#)

Synonyms

CK2A1

Specificity

Human anti Casein Kinase 2 alpha 1 antibody, clone 5928 recognizes human casein kinase 2 alpha 1. Casein kinase II (CK2) is a heterotetrameric serine/threonine protein kinase consisting of two 44 kDa catalytic subunits (CK2-alpha) and two 26 kDa regulatory subunits (CK2-beta). The alpha subunits contain the catalytic activity while the beta subunits undergo autophosphorylation. CK2 is constitutively expressed in most cells and tissues and is highly conserved among eukaryotes. It participates in a wide variety of cellular processes including protein kinase networks that control cell cycle progression and cellular stress responses with over 300 substrates. Consequently, fluctuations in the expression of CK II have been linked with various human diseases and most notably, certain cancers (breast, prostate, lung etc).

Western Blotting

HCA064 detects a band of approximately 44kDa in HCT-116 cell lysates.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of despatch.

Acknowledgements

Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.

**Health And Safety
Information**

Material Safety Datasheet Documentation #10094 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf>

Licensed Use

For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.

Regulatory

For research purposes only

Technical Advice

Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...)

[HRP](#)

Mouse Anti Human C-MYC (MCA2200...)

[Alk. Phos.](#), [Biotin](#)

Mouse Anti Synthetic Peptide STREP-TAG CLASSIC (MCA2489...)

[HRP](#)

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...)

[Alk. Phos.](#), [Biotin](#)

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