

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:	AbD05928
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 *E. coli*. 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.

Source

E.coli

Buffer Solution

Phosphate buffered saline.

Preservative

0.01% Thiomersal.

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/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

RRID AB_2087184

Specificity **Human anti casein kinase 2 alpha 1 antibody, clone AbD05928** 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 Human anti casein kinase 2 alpha 1 antibody, clone AbD05928 detects a band of approximately 44 kDa in HCT-116 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.

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.

Acknowledgements This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.
His-tag is a registered trademark of EMD Biosciences.

Health And Safety Information Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/HCA064>
10094

Licensed Use	For <i>in vitro</i> . 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 STREP-TAG CLASSIC (MCA2489...)	HRP
Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...)	HRP
Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...)	Alk. Phos. , Biotin
Mouse Anti Human C-MYC (MCA2200...)	Biotin

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
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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
'M420826:230706'

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