

Datasheet: VMA00068

Description:	HUMAN ANTI CASEIN KINASE 2 ALPHA 1
Specificity:	CASEIN KINASE 2 ALPHA 1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AbD22725.1
Isotype:	HuCAL Fab bivalent
Quantity:	100 µl

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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

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

A bivalent human recombinant Fab selected from the HuCAL phage display library, expressed in *E. coli*. This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a DYKDDDDK tag and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied liquid.

Preparation

Recombinant human monoclonal antibody purified by metal chelate affinity chromatography.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Approx. Protein Concentrations	F(ab') ₂ concentration 0.5 mg/ml.
Immunogen	Full length recombinant human casein kinase 2 alpha1 expressed in Sf9 cells
External Database Links	<p>UniProt: P68400 Related reagents</p> <p>Entrez Gene: 1457 CSNK2A1 Related reagents</p>
Synonyms	CK2A1
Specificity	<p>Human anti Human casein kinase 2 alpha 1 antibody recognizes the casein kinase 2 subunit alpha, also known as CK II alpha.</p> <p>Casein kinase 2 alpha 1 is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. The kinase exists as a tetramer and is composed of an alpha, an alpha-prime, and two beta subunits. The alpha subunits contain the catalytic activity while the beta subunits undergo autophosphorylation. The protein encoded by CSNK2A1 represents the alpha subunit. While CSNK2A1 is found on chromosome 20, a related transcribed pseudogene is found on chromosome 11. Three transcript variants encoding two different proteins have been found for CSNK2A1 (provided by RefSeq, Jul 2008).</p> <p>Human anti Human casein kinase 2 alpha 1 antibody detects a band of 42 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti casein kinase 2 alpha 1 detects a band of approximately 42 kDa in Jurkat 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 protein. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch.
Acknowledgements	<p>PrecisionAb is a trademark of Bio-Rad Laboratories.</p> <p>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.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p>
Health And Safety	Material Safety Datasheet documentation #10040 available at:

Information <https://www.bio-rad-antibodies.com/SDS/VMA00068>
Antibody (10040)

Regulatory For research purposes only.

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Goat Anti Human IgG F(ab')₂ (STAR126...) [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](https://www.bio-rad-antibodies.com/datasheets)
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