

Datasheet: MCA6427GA

BATCH NUMBER 100007867

Description:	MOUSE ANTI HUMAN CaMKK II
Specificity:	CaMKK II
Other names:	CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE KINASE 2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AB01/3H6
Isotype:	IgG1
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	▪			1/2,000

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	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 1-446 of human CaMKK II.

**External Database
Links**

UniProt:

[Q96RR4](#) [Related reagents](#)

Entrez Gene:

[10645](#) CAMKK2 [Related reagents](#)

Synonyms

CAMKKB, KIAA0787

Specificity

Mouse anti human CaMKK II antibody, clone AB01/3H6 recognizes calcium/calmodulin-dependant protein kinase kinase 2.

CaMKK II is part of the serine/threonine kinase family, and is involved in the activation and phosphorylation of targets such as CAMKI, CAMKIV and AMPK. The facilitation of these targets increases the progression of cancer ([Pulliam *et al.* 2022](#)). CamKK II is involved in the regulation of inflammatory conditions such as prostate and hepatocellular cancers, as well as conditions like obesity and insulin resistance ([Racioppi *et al.* 2019](#)).

Western Blotting

Mouse anti Human CaMKK II detects bands of approximately 75, 77 kDa in K562 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

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6427GA>
10040

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

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

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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