

Datasheet: MCA6107

Description:	MOUSE ANTI CCAR2
Specificity:	CCAR2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3G4-D11-D7
Isotype:	IgG1
Quantity:	50 µg

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

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

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

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

TRIS buffered glycine

Preservative Stabilisers

0.2% Sodium Azide (NaN₃)
50% Glycerol

Immunogen

Recombinant human CCAR2 protein fragments expressed in *E. coli*

**External Database
Links**

UniProt:

[Q8N163](#) [Related reagents](#)

Entrez Gene:

[57805](#) KIAA1967 [Related reagents](#)

Synonyms

DBC1

Specificity

Mouse anti CCAR2 antibody recognizes cell cycle and apoptosis regulator protein 2 (CCAR2), also known as DBC1 and KIAA1967. The *Dbc1* gene was discovered to be homozygously deleted in human chromosome 8p21 in breast cancer ([Hamaguchi et al. 2002](#)). CCAR2 regulates ER beta function ([Koyama et al. 2010](#)), heterochromatin formation ([Li et al. 2009](#)) and negatively regulates the NAD-dependent protein deacetylase sirtuin-1 (SIRT1) ([Kim et al. 2008](#)). In addition, DBC1 has also been shown to act as a tumor suppressor by regulating p53 binding; CCAR2 competes with MDM2 for binding to p53 ([Qin et al. 2015](#)).

Western Blotting

Mouse anti CCAR2 antibody recognises a band of approximately 130 kDa in various cell lysates

Storage

Store at -20°C only.
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.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #20409 available at:
20409: <https://www.bio-rad-antibodies.com/uploads/MSDS/20409.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

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

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

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