

## Datasheet: MCA6339

<b>Description:</b>	RABBIT ANTI ACETYL CoA CARBOXYLASE
<b>Specificity:</b>	ACETYL CoA CARBOXYLASE
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM232
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/300 - 1/500
Western Blotting	▪			1/1000 - 1/2000

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

Based on sequence similarity, is expected to react with:Rat, Mouse

**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 on Protein A from animal origin-free culture supernatant

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide  
1% Bovine Serum Albumin

50% Glycerol

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**Immunogen** A peptide corresponding to human acetyl CoA carboxylase 1

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**External Database Links**

**UniProt:**

[Q13085](#)    [Related reagents](#)

**Entrez Gene:**

[31](#)    ACACA    [Related reagents](#)

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**Synonyms** ACAC, ACC1, ACCA

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**Specificity** **Rabbit anti acetyl CoA carboxylase antibody** recognizes acetyl CoA carboxylase, also known as ACC1 and ACACA.

Acetyl CoA carboxylase 1 is a lipogenic enzyme which catalyzes the carboxylation of acetyl CoA to malonyl CoA within fatty acid synthesis ([Rios Garcia et al. 2017](#)). This carboxylase activity is controlled by glucagon, epinephrine, and insulin, corresponding to the energy state of the organism. Acetyl CoA carboxylase is activated by phosphorylation and deactivated by dephosphorylation, allowing it to respond to energy status ([Mabrouk et al. 1990](#)). Acetyl CoA carboxylase appears to regulate the differentiation of CD4+ T cells, and has been suggested as a therapeutic target for a range of metabolic syndromes and cancers ([Wang et al. 2019](#)).

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6339>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...)    [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...)    [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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