

## Datasheet: VMA00898

<b>Description:</b>	RABBIT ANTI ACETYL CoA CARBOXYLASE (pSer79)
<b>Specificity:</b>	ACETYL CoA CARBOXYLASE (pSer79)
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	RM270
<b>Isotype:</b>	IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/1000 - 1/2000
Western Blotting	▪			1/1000 - 1/5000

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from an animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	A phospho-peptide corresponding to Human acetyl CoA carboxylase 1 (pSer79)
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

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

<b>Synonyms</b>	ACAC, ACC1, ACCA
<b>Specificity</b>	<b>Rabbit anti Human acetyl CoA carboxylase 1 (pSer79) antibody</b> recognizes acetyl CoA carboxylase 1, also known as ACC1, ACACA, when phosphorylated at serine 79. Acetyl CoA carboxylase 1 is a cytosolic kinase which is crucially involved with fatty acid synthesis. Controlling lipid synthesis by ACC1 inhibition has been suggested for treatment of metabolic diseases such as obesity or diabetes. ACC1 has also been found to be upregulated in various cancer types ( <a href="#">Glatzel et al. 2018</a> ), and may be involved with development and progression of tumors. Expression levels of ACC1 are strongly associated with prognosis of patients with liver cancer ( <a href="#">Ye et al. 2019</a> ). AMP-activated protein kinase (AMPK) is able to phosphorylate ACC1 at Ser79, inhibiting its function ( <a href="#">Lepropre et al. 2018</a> ).
<b>Western Blotting</b>	Rabbit anti acetyl CoA carboxylase (pSer79) antibody detects a band of approximately 250 kDa in HepG2 cell lysates
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10048 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00898">https://www.bio-rad-antibodies.com/SDS/VMA00898</a> 10048
<b>Regulatory</b>	For research purposes only

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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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