

Datasheet: VMA00898

Description:	RABBIT ANTI ACETYL CoA CARBOXYLASE (pSer79)
Specificity:	ACETYL CoA CARBOXYLASE (pSer79)
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	RM270
Isotype:	IgG
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
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.

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

Entrez Gene:

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

Synonyms ACAC, ACC1, ACCA

Specificity **Rabbit anti Human acetyl CoA carboxylase 1 (pSer79) antibody** 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 ([Glatzel et al. 2018](#)), and may be involved with development and progression of tumors. Expression levels of ACC1 are strongly associated with prognosis of patients with liver cancer ([Ye et al. 2019](#)). AMP-activated protein kinase (AMPK) is able to phosphorylate ACC1 at Ser79, inhibiting its function ([Lepropre et al. 2018](#)).

Western Blotting Rabbit anti acetyl CoA carboxylase (pSer79) antibody detects a band of approximately 250 kDa in HepG2 cell lysates

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00898>
10048

Regulatory 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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