

## Product datasheet

# Anti-ACADM/MCAD antibody ab13677

★★★★★ [2 Abreviews](#) [2 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-ACADM/MCAD antibody
<b>Description</b>	Goat polyclonal to ACADM/MCAD
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human ACADM/MCAD aa 400 to the C-terminus (C terminal). Database link: <a href="#">P11310</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human Heart Lysate
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab13677 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use a concentration of 0.01 - 0.1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 48 kDa). A 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 3.75 µg/ml.

## Target

### Function

This enzyme is specific for acyl chain lengths of 4 to 16.

### Pathway

Lipid metabolism; mitochondrial fatty acid beta-oxidation.

### Involvement in disease

Defects in ACADM are the cause of acyl-CoA dehydrogenase medium-chain deficiency (ACADM) [MIM:201450]. It is an autosomal recessive disease which causes fasting hypoglycemia, hepatic dysfunction, and encephalopathy, often resulting in death in infancy.

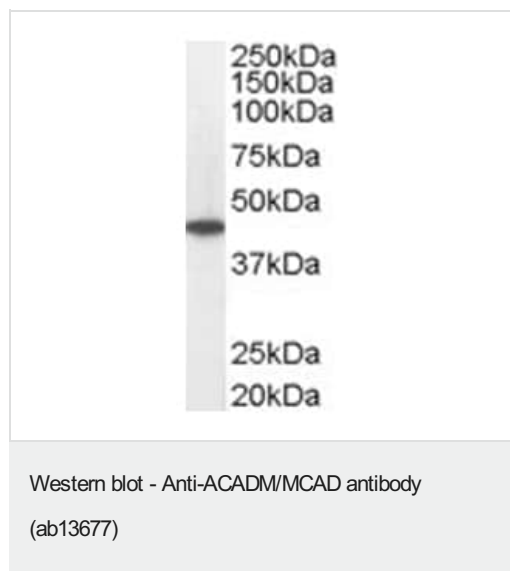
### Sequence similarities

Belongs to the acyl-CoA dehydrogenase family.

### Cellular localization

Mitochondrion matrix.

## Images



Anti-ACADM/MCAD antibody (ab13677) at 0.05 µg/ml + Human heart lysates at 35 µg

Developed using the ECL technique.

**Predicted band size:** 48 kDa

Ab13677 staining (0.05µg/ml) of Human Heart lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Primary incubated for 1 hour.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

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