


Product datasheet

Anti-ACADM/MCAD antibody ab152115

3 Images

Overview

<b>Product name</b>	Anti-ACADM/MCAD antibody
<b>Description</b>	Rabbit polyclonal to ACADM/MCAD
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Cow 
<b>Immunogen</b>	Recombinant fragment corresponding to Human ACADM/MCAD aa 1-93. Database link: <a href="#">P11310</a>
<b>Positive control</b>	293T, A431, HeLa, HepG2 and Raji whole cell lysates; HeLa cells; Human DLD1 xenograft tissue.
<b>General notes</b>	Previously labelled as ACADM.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab152115** in the following tested applications.

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

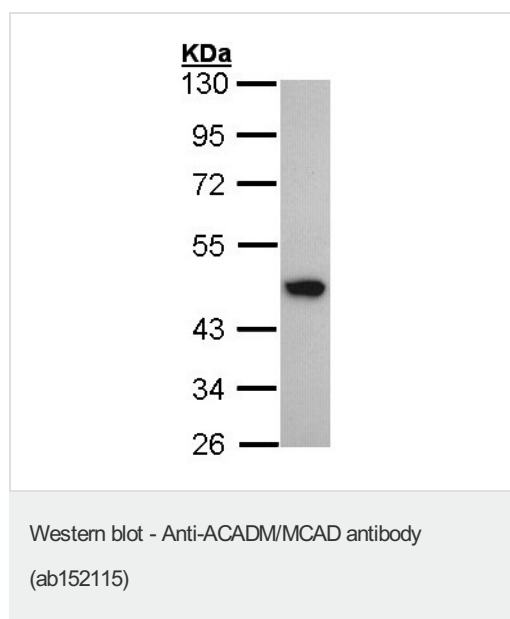
Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 47 kDa.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Or perform heat mediated antigen retrieval with Tris-EDTA buffer pH 8.
ICC/IF		1/100 - 1/1000.

## Target

<b>Function</b>	This enzyme is specific for acyl chain lengths of 4 to 16.
<b>Pathway</b>	Lipid metabolism; mitochondrial fatty acid beta-oxidation.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the acyl-CoA dehydrogenase family.
<b>Cellular localization</b>	Mitochondrion matrix.

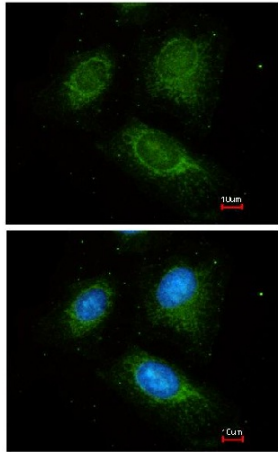
## Images



Anti-ACADM/MCAD antibody (ab152115) at 1/1000 dilution + A431 whole cell lysate at 30 µg

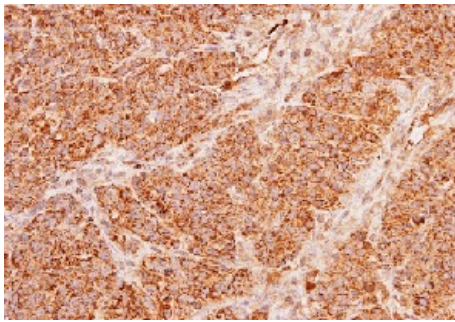
**Predicted band size:** 47 kDa

10% SDS PAGE



Immunofluorescent analysis of methanol-fixed HeLa cells labeling ACADM/MCAD with ab152115 at 1/100 dilution. Lower image shows cells co-stained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-ACADM/MCAD antibody (ab152115)



Immunohistochemical analysis of paraffin-embedded Human DLD1 xenograft tissue labeling ACADM/MCAD with ab152115 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADM/MCAD antibody (ab152115)

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

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