

Anti-Methylmalonyl Coenzyme A mutase antibody ab67869

★★★★★ [2 Abreviews](#) [5 References](#) [4 图像](#)

概述

产品名称	Anti-Methylmalonyl Coenzyme A mutase抗体
描述	小鼠多克隆抗体to Methylmalonyl Coenzyme A mutase
宿主	Mouse
经测试应用	适用于: ICC/IF, WB, IHC-P
种属反应性	与反应: Rat, Human
免疫原	Recombinant full length protein within Human Methylmalonyl Coenzyme A mutase. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements.
阳性对照	WB: Human liver tissue lysate, Methylmalonyl Coenzyme A mutase transfected 293T cell lysate, Euglena whole cell lysate. ICC: HeLa cells.
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Constituent: 100% PBS
纯度	Protein G purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab67869 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 10 µg/ml.
WB	★★★★★ (2)	1/500 - 1/1000. Detects a band of approximately 83 kDa (predicted molecular weight: 83 kDa).
IHC-P		Use at an assay dependent concentration. PubMed: 19699272

靶标

功能

Involved in the degradation of several amino acids, odd-chain fatty acids and cholesterol via propionyl-CoA to the tricarboxylic acid cycle. MCM has different functions in other species.

疾病相关

Defects in MUT are the cause of methylmalonic aciduria type mut (MMAM) [MIM:251000]. MMAM is an often fatal disorder of organic acid metabolism. Common clinical features include lethargy, vomiting, failure to thrive, hypotonia, neurological deficit and early death. Two forms of the disease are distinguished by the presence (mut-) or absence (mut0) of residual enzyme activity. Mut0 patients have more severe neurological manifestations of the disease than do MUT- patients. MMAM is unresponsive to vitamin B12 therapy.

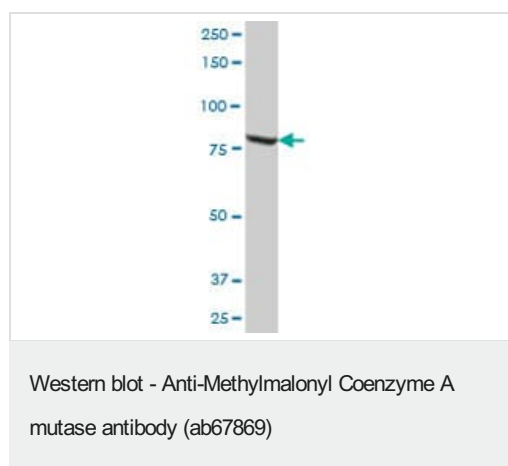
序列相似性

Belongs to the methylmalonyl-CoA mutase family.
Contains 1 B12-binding domain.

细胞定位

Mitochondrion matrix.

图片



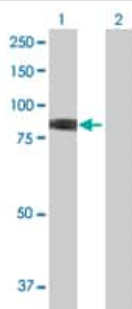
Anti-Methylmalonyl Coenzyme A mutase antibody (ab67869) at 1/500 dilution + human liver tissue lysate at 25 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 83 kDa

Observed band size: 83 kDa



Western blot - Anti-Methylmalonyl Coenzyme A mutase antibody (ab67869)

All lanes : Anti-Methylmalonyl Coenzyme A mutase antibody (ab67869) at 1/500 dilution

Lane 1 : Methylmalonyl Coenzyme A mutase transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Secondary

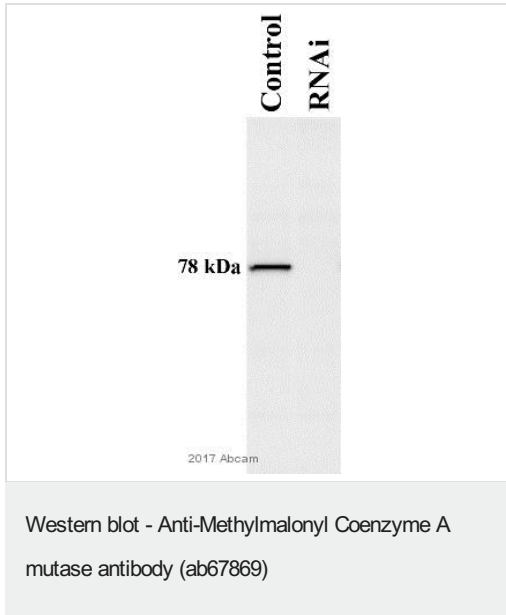
All lanes : Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 83 kDa

Observed band size: 83 kDa

Immunocytochemistry/ Immunofluorescence - Anti-Methylmalonyl Coenzyme A mutase antibody (ab67869)

ICC/IF image of ab67869 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab67869, 10µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96879**, DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



All lanes : Anti-Methylmalonyl Coenzyme A mutase antibody (ab67869) at 1/2000 dilution

Lane 1 : Euglena whole cell lysate with Milk and 0.05% Tween20

Lane 2 : Euglena (RNAi gene silencing Methylmalonyl Coenzyme A mutase) whole cell lysate, with Milk and 0.05% Tween20

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-mouse IgG(H+L) HRP conjugated at 1/5000 dilution

Performed under reducing conditions.

Predicted band size: 83 kDa

Exposure time: 10 minutes

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

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