

Anti-GCDH/GCD antibody [3E9BA3BF5] ab112998

2 图像

概述

产品名称	Anti-GCDH/GCD抗体[3E9BA3BF5]
描述	小鼠单克隆抗体[3E9BA3BF5] to GCDH/GCD
宿主	Mouse
经测试应用	适用于: ICC/IF, Flow Cyt
种属反应性	与反应: Human
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Fibroblast, HeLa, HepG2, and Rat Cardiomyocyte cells.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <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> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
存储溶液	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: 99.98% HEPES buffered saline
纯度	Proprietary Purification
纯化说明	ab112998 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Monoclonal purity was near homogeneity as judged by SDS-PAGE (>95%).
克隆	单克隆

克隆编号	3E9BA3BF5
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab112998于以下的经测试应用

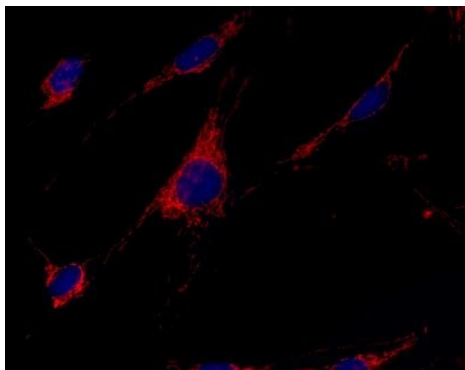
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 1 µg/ml.
Flow Cyt		Use a concentration of 1 µg/ml. 0.1% Triton X-100 permeabilization recommended. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

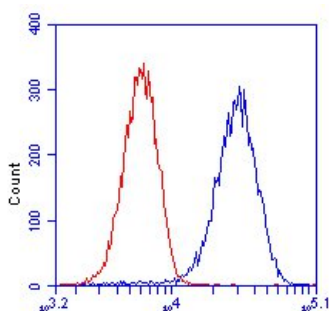
功能	Catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO(2) in the degradative pathway of L-lysine, L-hydroxylysine, and L-tryptophan metabolism. It uses electron transfer flavoprotein as its electron acceptor. Isoform Short is inactive.
组织特异性	Isoform 1 and isoform 2 are expressed in fibroblasts and liver.
通路	Amino-acid metabolism; lysine degradation. Amino-acid metabolism; tryptophan metabolism.
疾病相关	Defects in GCDH are the cause of glutaric aciduria type 1 (GA1) [MIM:231670]. GA1 is an autosomal recessive metabolic disorder characterized by progressive dystonia and athetosis due to gliosis and neuronal loss in the basal ganglia.
序列相似性	Belongs to the acyl-CoA dehydrogenase family.
细胞定位	Mitochondrion matrix.

图片



Immunocytochemistry/ Immunofluorescence - Anti-GCDH/GCD antibody [3E9BA3BF5] (ab112998)

ab112998 at 1 $\mu\text{g/ml}$ staining GCDH/GCD in fibroblast cells by immunocytochemistry (4% paraformaldehyde fixed and 0.1% Triton X-100 permeabilized) followed by Alexa Fluor® 594 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour (red). Nuclei were stained with DAPI.



Flow Cytometry - Anti-GCDH/GCD antibody [3E9BA3BF5] (ab112998)

ab112998 at 1 $\mu\text{g/ml}$ staining GCDH/GCD in HeLa cells by Flow Cytometry (blue). Isotype control antibody (red).

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

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