abcam

Product datasheet

Anti-HADH antibody ab154088

★★★★★ 3 Abreviews 12 References 6 图像

概述

产品名称	Anti-HADH抗体
描述	**兔多克隆抗体**to HADH
宿主	Rabbit
经测试应用	**适用于:** WB, IHC-P, ICC/IF
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Recombinant fragment corresponding to Human HADH aa 92-314. Database link: **Q16836**
阳性对照	WB: Mouse liver whole cell lysates. HEK-293T, A431, HeLa, HepG2 whole cell lysate. Rat heart and liver extract. IHC-P: Human colon cancer tissue; ICC/IF: HeLa cells.
常规说明	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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab154088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
WB	★★★★★ (1)	1/500 - 1/3000. Predicted molecular weight: 34 kDa.
IHC-P	★★★★★ (1)	1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

靶标

功能 Plays an essential role in the mitochondrial beta-oxidation of short chain fatty acids. Exerts it highest activity toward 3-hydroxybutyryl-CoA.

组织特异性 Expressed in liver, kidney, pancreas, heart and skeletal muscle.

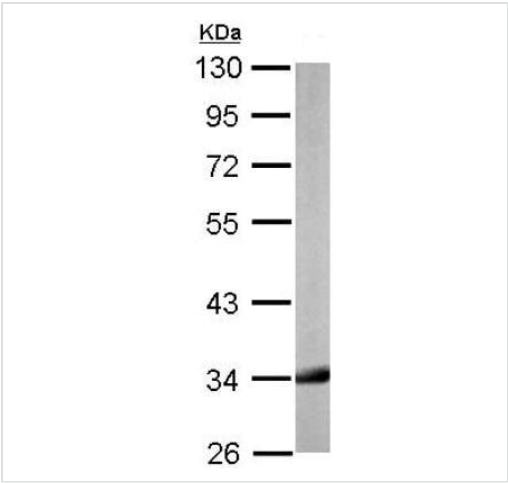
通路 Lipid metabolism; fatty acid beta-oxidation.

疾病相关 Defects in HADH are the cause of 3-alpha-hydroxyacyl-CoA dehydrogenase deficiency (HADH deficiency) [MIM:231530]. HADH deficiency is a metabolic disorder with various clinical presentations including hypoglycemia, hepatoencephalopathy, myopathy or cardiomyopathy, and in some cases sudden death.
Defects in HADH are the cause of familial hyperinsulinemic hypoglycemia type 4 (HHF4) [MIM:609975]; also known as persistent hyperinsulinemic hypoglycemia of infancy (PHHI) or congenital hyperinsulinism. HHF is the most common cause of persistent hypoglycemia in infancy and is due to defective negative feedback regulation of insulin secretion by low glucose levels. It causes nesidioblastosis, a diffuse abnormality of the pancreas in which there is extensive, often disorganized formation of new islets. Unless early and aggressive intervention is undertaken, brain damage from recurrent episodes of hypoglycemia may occur. HHF4 should be easily recognizable by analysis of acylcarnitine species and that this disorder responds well to treatment with diazoxide. It provides the first 'experiment of nature' that links impaired fatty acid oxidation to hyperinsulinism and that provides support for the concept that a lipid signaling pathway is implicated in the control of insulin secretion.

序列相似性 Belongs to the 3-hydroxyacyl-CoA dehydrogenase family.

细胞定位 Mitochondrion matrix.

图片

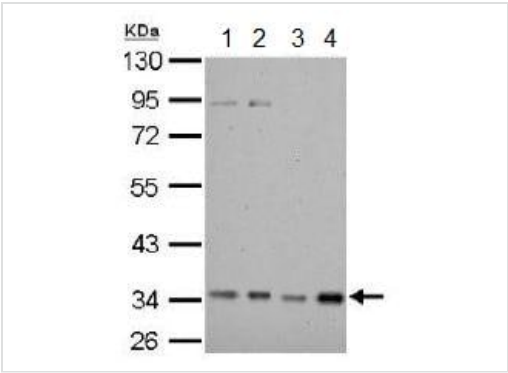


Western blot - Anti-HADH antibody (ab154088)

Anti-HADH antibody (ab154088) at 1/1000 dilution + mouse liver whole cell lysate at 50 µg

Predicted band size: 34 kDa

10% SDS PAGE



Western blot - Anti-HADH antibody (ab154088)

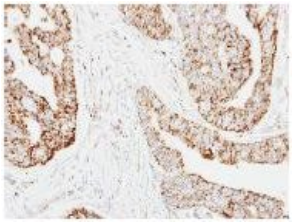
All lanes : Anti-HADH antibody (ab154088) at 1/1000 dilution

Lane 1 : HEK-293T whole cell lysate
Lane 2 : A431 whole cell lysate/extract
Lane 3 : HeLa whole cell lysate/extract
Lane 4 : HepG2 whole cell lysate/extract

Lysates/proteins at 30 µg per lane.

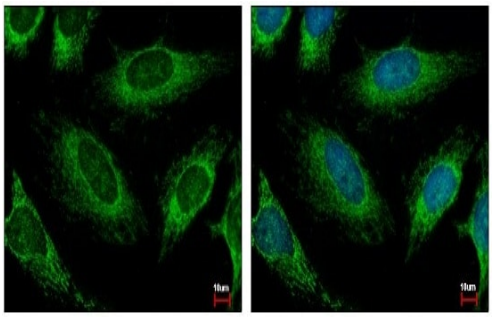
Predicted band size: 34 kDa

10% SDS-PAGE



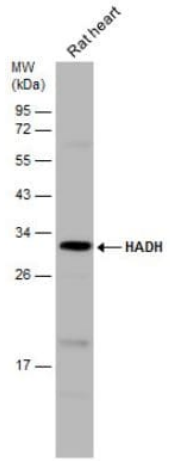
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HADH antibody (ab154088)

Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue labeling HADH with ab154088 at 1/250 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-HADH antibody (ab154088)

Immunofluorescence analysis of HeLa cells (fixed with 2% paraformaldehyde/culture medium at 37 °C for 30 min) labeling HADH with ab154088 at 1/500 dilution (green). The image in the right panel is costained with Hoechst 33342 (blue).

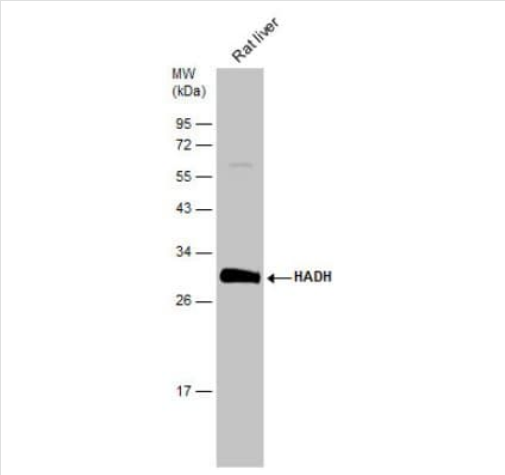


Western blot - Anti-HADH antibody (ab154088)

Anti-HADH antibody (ab154088) at 1/1000 dilution + Rat tissue extract at 50 µg

Predicted band size: 34 kDa

12% SDS-PAGE



Western blot - Anti-HADH antibody (ab154088)

Anti-HADH antibody (ab154088) at 1/1000 dilution + Rat tissue extract at 50 µg

Predicted band size: 34 kDa

12% SDS-PAGE

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

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