abcam

Product datasheet

Anti-Lipoprotein lipase antibody ab137821

4 References 1 图像

概述

产品名称	Anti-Lipoprotein lipase**抗体**
描述	**兔多克隆抗体**to Lipoprotein lipase
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat, Cow, Cat, Pig
免疫原	A recombinant fragment corresponding to a region within amino acids 134-354 of Human Lipoprotein lipase (UniProt ID: P06858).
阳性对照	A431 whole cell lysate; A431, H1299, HeLa and Molt4 cell lysates
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 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ab137821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		1/500 - 1/3000. Predicted molecular weight: 53 kDa.

靶标

功能 The primary function of this lipase is the hydrolysis of triglycerides of circulating chylomicrons and very low density lipoproteins (VLDL). Binding to heparin sulfate proteogylcans at the cell surface is vital to the function. The apolipoprotein, APOC2, acts as a coactivator of LPL activity in the presence of lipids on the luminal surface of vascular endothelium.

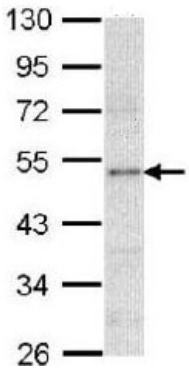
疾病相关 Defects in LPL are the cause of lipoprotein lipase deficiency (LPL deficiency) [MIM:238600]; also known as familial chylomicronemia or hyperlipoproteinemia type I. LPL deficiency chylomicronemia is a recessive disorder usually manifesting in childhood. On a normal diet, patients often present with abdominal pain, hepatosplenomegaly, lipemia retinalis, eruptive xanthomata, and massive hypertriglyceridemia, sometimes complicated with acute pancreatitis.

序列相似性 Belongs to the AB hydrolase superfamily. Lipase family.
Contains 1 PLAT domain.

翻译后修饰 Tyrosine nitration after lipopolysaccharide (LPS) challenge down-regulates the lipase activity.

细胞定位 Cell membrane. Secreted. Locates to the plasma membrane of microvilli of hepatocytes with triacyl-glycerol-rich lipoproteins (TRL). Some of the bound LPL is then internalized and located inside non-coated endocytic vesicles.

图片



Western blot - Anti-Lipoprotein lipase antibody (ab137821)

Anti-Lipoprotein lipase antibody (ab137821) at 1/1000 dilution +
A431 whole cell lysate at 30 µg

Predicted band size: 53 kDa

10% SDS PAGE

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