

Anti-PCK1/PEPC antibody [EPR6939] ab125003

重组 RabMAb

3 图像

概述

产品名称	Anti-PCK1/PEPC抗体[EPR6939]
描述	兔单克隆抗体[EPR6939] to PCK1/PEPC
宿主	Rabbit
经测试应用	适用于: WB 不适用于: IHC-P or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human PCK1/PEPC aa 600-700 (C terminal). The exact sequence is proprietary.
阳性对照	Human fetal kidney and Human adipose tissue lysates.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.31% Sodium citrate, 0.175% Sodium chloride, 0.0172% EDTA disodium salt, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR6939
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab125003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		1/1000 - 1/10000. Detects a band of approximately 69 kDa (predicted molecular weight: 69 kDa).

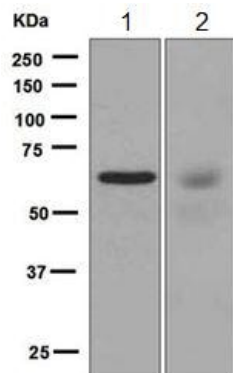
应用说明

Is unsuitable for IHC-P or IP.

靶标

功能	Catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle.
组织特异性	Major sites of expression are liver, kidney and adipocytes.
通路	Carbohydrate biosynthesis; gluconeogenesis.
疾病相关	Defects in PCK1 are the cause of cytosolic phosphoenolpyruvate carboxykinase deficiency (cytosolic PEPCK deficiency) [MIM:261680]. PEPCK deficiency is a metabolic disorder resulting from impaired gluconeogenesis. It is a rare disease with less than 10 cases reported in the literature. Clinical characteristics include hypotonia, hepatomegaly, failure to thrive, lactic acidosis and hypoglycemia. Autopsy reveals fatty infiltration of both the liver and kidneys. The disorder is transmitted as an autosomal recessive trait.
序列相似性	Belongs to the phosphoenolpyruvate carboxykinase [GTP] family.
翻译后修饰	Acetylation is increased on addition of glucose and appears to regulate the protein stability.
细胞定位	Cytoplasm.

图片



Western blot - Anti-PCK1/PEPC antibody
[EPR6939] (ab125003)

All lanes : Anti-PCK1/PEPC antibody [EPR6939] (ab125003) at
1/1000 dilution

Lane 1 : Human fetal kidney tissue lysate

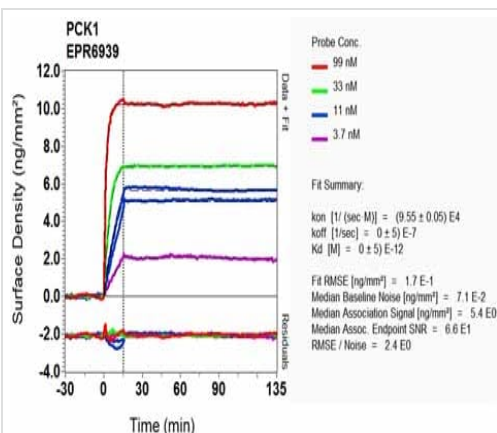
Lane 2 : Human adipose tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 69 kDa



O1-RD Scanning - Anti-PCK1/PEPC antibody
[EPR6939] (ab125003)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a
recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-PCK1/PEPC antibody [EPR6939] (ab125003)

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

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- Response to your inquiry within 24 hours

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