




# Anti-PCK1/PEPC antibody ab115693

[1 References](#) [2 图像](#)

### 概述

产品名称	Anti-PCK1/PEPC抗体
描述	山羊多克隆抗体to PCK1/PEPC
宿主	Goat
经测试应用	适用于: IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow, Dog, Pig, Xenopus laevis 
免疫原	Synthetic peptide corresponding to Human PCK1/PEPC aa 500-600 (internal sequence) (Cysteine residue). Database link: <a href="#">NP_002582.3</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
阳性对照	Human kidney and liver tissues.
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&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
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 ab115693 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
IHC-P		Use a concentration of 2 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 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.

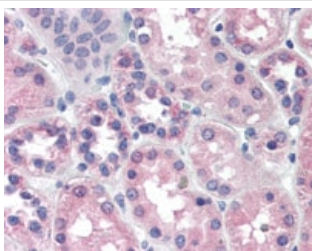
### 翻译后修饰

Acetylation is increased on addition of glucose and appears to regulate the protein stability.

### 细胞定位

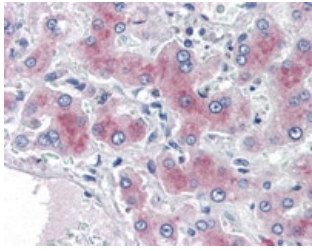
Cytoplasm.

## 图片



ab115693, at 2µg/ml, staining PCK1//PEPC in Formalin-fixed, Paraffin-embedded Human Kidney tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCK1/PEPC antibody (ab115693)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCK1/PEPC antibody (ab115693)

ab115693, at 2 $\mu$ g/ml, staining PCK1/PEPC in Formalin-fixed, Paraffin-embedded Human Liver tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

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

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