

Product datasheet

Anti-PCB antibody ab77376

2 References 1 图像

概述

|              |  |
|--------------|--|
| <b>产品名称</b>  | Anti-PCB抗体   |
| <b>描述</b>    | 山羊多克隆抗体to PCB  |
| <b>经测试应用</b> | <b>适用于:</b> WB, ELISA  |
| <b>种属反应性</b> | <b>与反应:</b> Mouse<br><b>预测可用于:</b> Rat, Horse, Cow, Dog, Human, Pig, Rhesus monkey    |
| <b>免疫原</b>   | Synthetic peptide:<br>C-KFKEVKKAYVEANQ<br>, corresponding to internal sequence amino acids 886-899 of Human PCB (NP_000911.2; NP_001035806.1; NP_071504.2).<br><a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a> |
| <b>阳性对照</b>  | Mouse Liver lysate.  |
| <b>常规说明</b>  | All reported variants (NP_000911.2; NP_001035806.1; NP_071504.2) represent identical protein.  |

性能

|             |   |
|-------------|---|
| <b>形式</b>   | Liquid  |
| <b>存放说明</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.  |
| <b>存储溶液</b> | Preservative: 0.02% Sodium Azide<br>Constituents: 0.5% BSA, Tris saline, pH 7.3   |
| <b>纯度</b>   | Immunogen affinity purified   |
| <b>纯化说明</b> | ab77376 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide. |
| <b>克隆</b>   | 多克隆   |
| <b>同种型</b>  | IgG   |

应用

Our [Abpromise guarantee](#) covers the use of **ab77376** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 应用 | Ab评论 | 说明 |
|----|------|----|
|----|------|----|

WB

ELISA

#### 应用说明

Peptide ELISA: Antibody detection limit dilution 1/16000.

WB: Use at a concentration of 0.03 - 0.1 µg/ml. Detects a band of approximately 150 kDa (predicted molecular weight: 130 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

#### 靶标

#### 功能

Pyruvate carboxylase catalyzes a 2-step reaction, involving the ATP-dependent carboxylation of the covalently attached biotin in the first step and the transfer of the carboxyl group to pyruvate in the second. Catalyzes in a tissue specific manner, the initial reactions of glucose (liver, kidney) and lipid (adipose tissue, liver, brain) synthesis from pyruvate.

#### 通路

Carbohydrate biosynthesis; gluconeogenesis.

#### 疾病相关

Defects in PC are the cause of pyruvate carboxylase deficiency (PC deficiency) [MIM:266150]. PC deficiency leads to lactic acidosis, mental retardation and death. It occurs in three forms: mild or type A, severe neonatal or type B, and a very mild lacticacidemia.

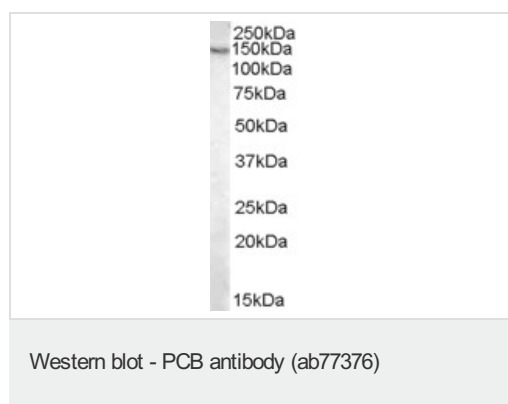
#### 序列相似性

Contains 1 ATP-grasp domain.  
 Contains 1 biotin carboxylation domain.  
 Contains 1 biotinyl-binding domain.  
 Contains 1 carboxyltransferase domain.

#### 细胞定位

Mitochondrion matrix.

#### 图片



Anti-PCB antibody (ab77376) at 0.03 µg/ml +  
 Mouse Liver lysate (in RIPA buffer) at 35 µg

**Predicted band size : 130 kDa**

**Observed band size : 150 kDa**

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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