


Product datasheet

Anti-PCB antibody ab77376

2 References 1 图像

概述

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

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	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris saline, pH 7.3
纯度	Immunogen affinity purified
纯化说明	ab77376 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
克隆	多克隆
同种型	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
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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.

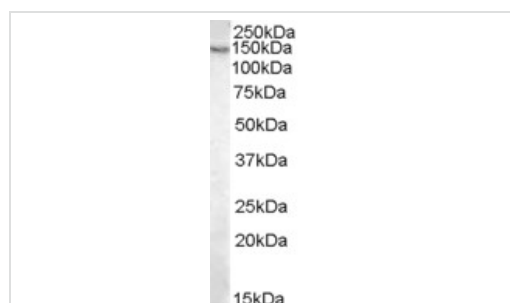
Contains 1 biotinyl-binding domain.

Contains 1 carboxyltransferase domain.

细胞定位

Mitochondrion matrix.

图片



Western blot - PCB antibody (ab77376)

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

Primary incubation was 1 hour. Detected by
chemiluminescence.

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