

Anti-PCB antibody [10G7BF7] ab123451

2 图像

概述

产品名称	Anti-PCB抗体[10G7BF7]
描述	小鼠单克隆抗体[10G7BF7] to PCB
宿主	Mouse
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Full length native protein (purified). This information is considered to be commercially sensitive.
阳性对照	HepG2, Rat H9C2, Rat H4IIE, Mouse MEF cell lysates; Purified Cow liver PCB; HDFn cells.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <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&As</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C.
存储溶液	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: 99% HEPES buffered saline
纯度	IgG fraction
纯化说明	Purity is near homogeneity as judged by SDS-PAGE. ab123451 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
克隆	单克隆

克隆编号	10G7BF7
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab123451于以下的经测试应用

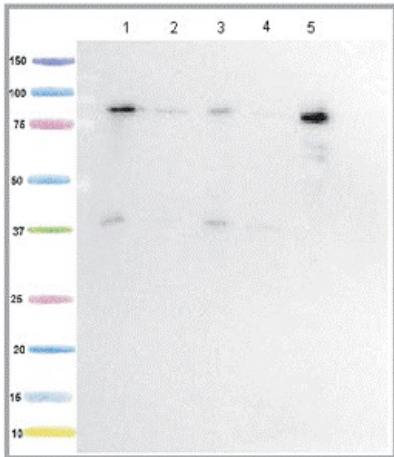
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 1 µg/ml.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 130 kDa.

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 - Anti-PCB antibody [10G7BF7] (ab123451)

All lanes : Anti-PCB antibody [10G7BF7] (ab123451) at 1 µg/ml

Lane 1 : HepG2 cell lysate

Lane 2 : Hela

Lane 3 : H9C2

Lane 4 : MEF

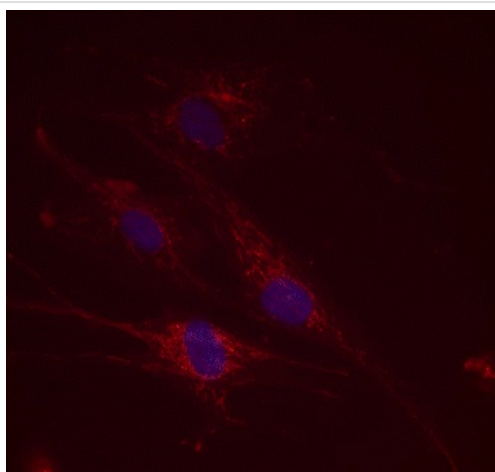
Lane 5 : Recombinant PC

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat-anti-Mouse HRP at 1/3000 dilution

Predicted band size: 130 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PCB antibody [10G7BF7] (ab123451)

ab123451 at 1 µg/ml staining PCB in HDFn cells by Immunocytochemistry (4% paraformaldehyde fixed and 0.1% Triton X-100 permeabilized) followed by Alexa Fluor® 594 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour (red). DAPI was used to stain the cell nuclei (blue).

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

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