

Anti-PCB antibody [3H2AD9] ab110314

3 References [画像数 3](#)

製品の概要

製品名	Anti-PCB antibody [3H2AD9]
製品の詳細	Mouse monoclonal [3H2AD9] to PCB
由来種	Mouse
アプリケーション	適用あり: ICC/IF, Flow Cyt, IP
種交差性	交差種: Human
免疫原	Full length native protein (purified). This information is considered to be commercially sensitive.
ポジティブ・コントロール	Human fibroblast and HeLa cells; Human liver tissue lysate.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	<p>pH: 7.5</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: HEPES buffered saline</p>
特記事項 (精製)	ab110314 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Purity: >95% by SDS-PAGE.
ポリ/モノ	モノクローナル
クローン名	3H2AD9

アイソタイプ IgG1
軽鎖の種類 kappa

アプリケーション

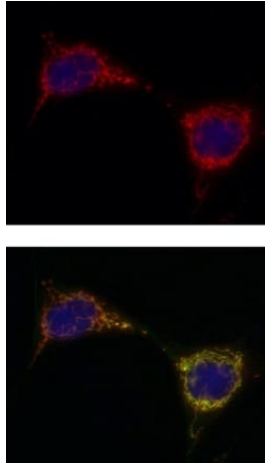
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab110314の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 5 µg/ml. For 2 hours.
Flow Cyt		Use a concentration of 1 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.

ターゲット情報

機能	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.
パスウェイ	Carbohydrate biosynthesis; gluconeogenesis.
関連疾患	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.
配列類似性	Contains 1 ATP-grasp domain. Contains 1 biotin carboxylation domain. Contains 1 biotinyl-binding domain. Contains 1 carboxyltransferase domain.
細胞内局在	Mitochondrion matrix.

画像

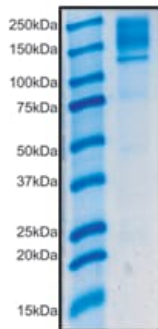


Immunocytochemistry/ Immunofluorescence - Anti-PCB antibody [3H2AD9] (ab110314)

Upper image shows: Immunocytochemistry analysis using ab110314 at 5µg/ml staining PCB in Human fibroblast cells (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).

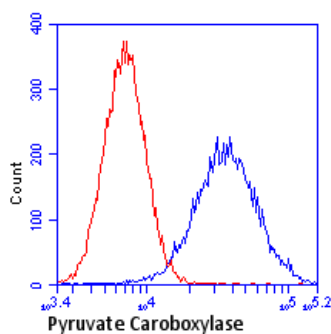
Note: The target protein locates to the mitochondrial matrix.

Lower image shows cells co-stained with an antibody against PDH (green), an enzyme also located in the mitochondrial matrix. The composite image shows an identical mitochondrial pattern for both antibodies indicated by merged orange color.



Immunoprecipitation - Anti-PCB antibody [3H2AD9] (ab110314)

Detection of ab110314 by immunoprecipitation staining of 130kDa PCB in human liver lysate.



Flow cytometric analysis using ab110314 at 1µg/ml staining PCB in HeLa cells (blue). Isotype control antibody (red).

Flow Cytometry - Anti-PCB antibody [3H2AD9]
(ab110314)

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