

### Anti-PDHB antibody [EPR11096(B)] ab155953

**重组** RabMAb

10 图像

#### 概述

产品名称	Anti-PDHB抗体[EPR11096(B)]
描述	兔单克隆抗体[EPR11096(B)] to PDHB
宿主	Rabbit
经测试应用	<b>适用于:</b> Flow Cyt (Intra), WB, IHC-P, ICC/IF <b>不适用于:</b> IP
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	HepG2, HeLa, A375 and Human fetal heart lysates; Human colon and pancreas tissues; HepG2 and A375 cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
纯度	Tissue culture supernatant

克隆

单克隆

克隆编号

EPR11096(B)

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab155953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
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 39 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

应用说明

Is unsuitable for IP.

靶标

功能

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2). It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).

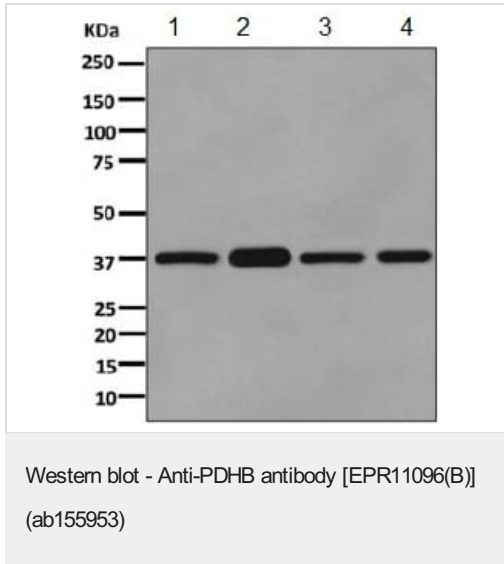
疾病相关

Defects in PDHB are a cause of pyruvate dehydrogenase E1 component deficiency (PDHE1 deficiency) [MIM:312170]. PDHE1 deficiency is the most common enzyme defect in patients with primary lactic acidosis. It is associated with variable clinical phenotypes ranging from neonatal death to prolonged survival complicated by developmental delay, seizures, ataxia, apnea, and in some cases to an X-linked form of Leigh syndrome (LS) (Leigh encephalomyelopathy).

细胞定位

Mitochondrion matrix.

图片



**All lanes** : Anti-PDHB antibody [EPR11096(B)] (ab155953) at 1/1000 dilution

**Lane 1** : HepG2 cell lysate

**Lane 2** : Human fetal heart tissue lysate

**Lane 3** : HeLa cell lysate

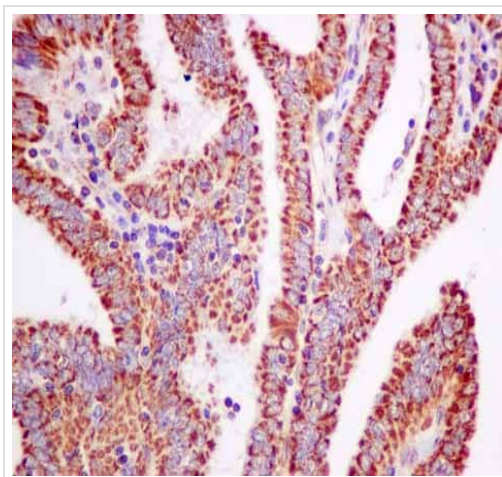
**Lane 4** : A375 cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : Goat anti-rabbit HRP at 1/2000 dilution

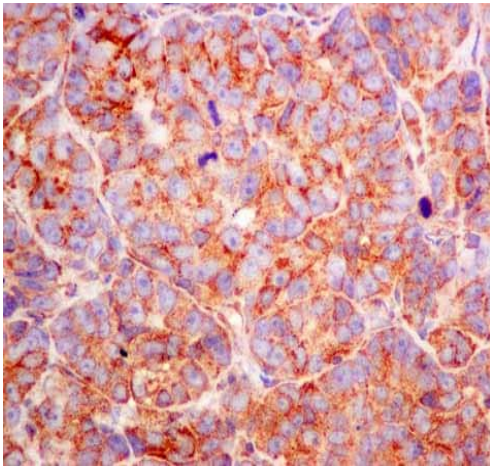
**Predicted band size:** 39 kDa



ab155953 showing +ve staining in Human thyroid gland carcinoma.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

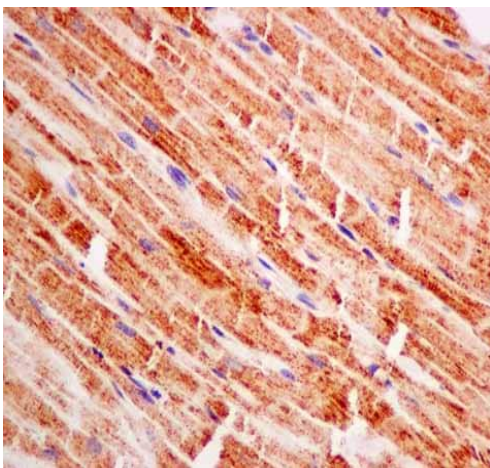
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDHB antibody [EPR11096(B)] (ab155953)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDHB antibody [EPR11096(B)] (ab155953)

ab155953 showing +ve staining in Human ovarian carcinoma.

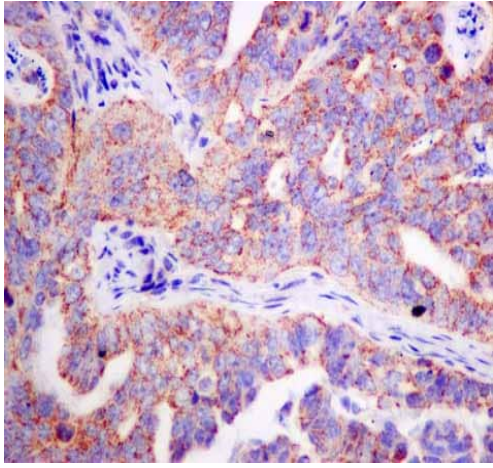
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDHB antibody [EPR11096(B)] (ab155953)

ab155953 showing +ve staining in Human heart.

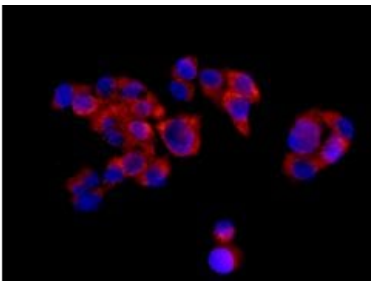
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDHB antibody [EPR11096(B)] (ab155953)

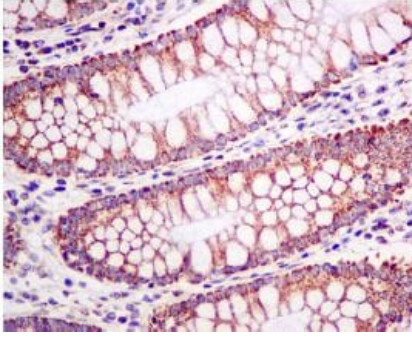
ab155953 showing +ve staining in Human gastric adenocarcinoma.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-PDHB antibody [EPR11096(B)] (ab155953)

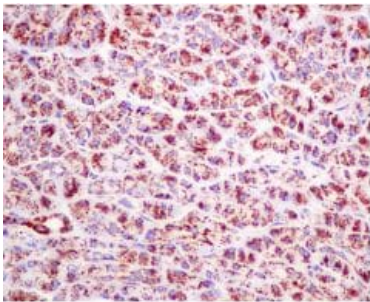
Immunofluorescent analysis of HepG2 cells, labeling PDHB with ab155953 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDHB antibody [EPR11096(B)] (ab155953)

Immunohistochemical analysis of paraffin-embedded Human colon tissue, labeling PDHB with ab155953 at 1/50 dilution.

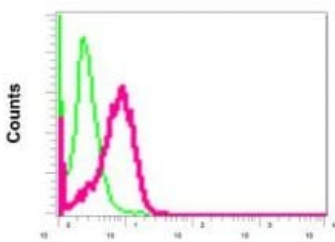
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDHB antibody [EPR11096(B)] (ab155953)

Immunohistochemical analysis of paraffin-embedded Human pancreas tissue, labeling PDHB with ab155953 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-PDHB antibody [EPR11096(B)] (ab155953)

Intracellular flow cytometric analysis of permeabilized A375 cells labeling PDHB with ab155953 at 1/10 dilution (red) compared with a rabbit IgG negative control (green).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-PDHB antibody [EPR11096(B)] (ab155953)

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

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