

Anti-MTCO2 antibody [EPR3313] ab109739

重组 RabMAb

★★★★★ [1 Abreviews](#) [1 References](#) [4 图像](#)

概述

产品名称	Anti-MTCO2抗体[EPR3313]
描述	兔单克隆抗体[EPR3313] to MTCO2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	HeLa, K562, MCF7, and THP1 cell lysates; Human kidney and liver tissues.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.01% BSA, 9.85% Tris glycine
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3313

同种型

IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab109739 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
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 26 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Antigen retrieval recommended; heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.

应用说明

Is unsuitable for Flow Cyt or ICC/IF.

靶标

功能

Cytochrome c oxidase is the component of the respiratory chain that catalyzes the reduction of oxygen to water. Subunits 1-3 form the functional core of the enzyme complex. Subunit 2 transfers the electrons from cytochrome c via its binuclear copper A center to the bimetallic center of the catalytic subunit 1.

疾病相关

Defects in MT-CO2 are a cause of mitochondrial complex IV deficiency (MT-C4D) [MIM:220110]; also known as cytochrome c oxidase deficiency. A disorder of the mitochondrial respiratory chain with heterogeneous clinical manifestations, ranging from isolated myopathy to severe multisystem disease affecting several tissues and organs. Features include hypertrophic cardiomyopathy, hepatomegaly and liver dysfunction, hypotonia, muscle weakness, exercise intolerance, developmental delay, delayed motor development and mental retardation. A subset of patients manifest Leigh syndrome.

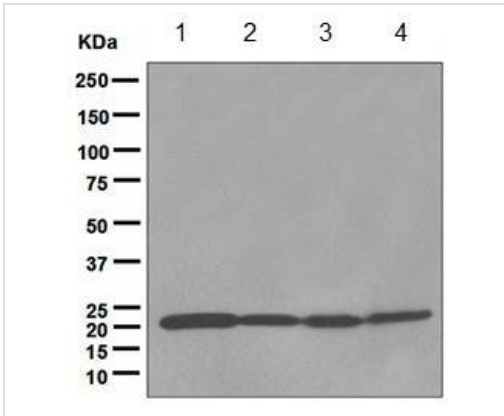
序列相似性

Belongs to the cytochrome c oxidase subunit 2 family.

细胞定位

Mitochondrion inner membrane.

图片



Western blot - Anti-MTCO2 antibody [EPR3313] (ab109739)

All lanes : Anti-MTCO2 antibody [EPR3313] (ab109739) at 1/1000 dilution

Lane 1 : HeLa cell lysate

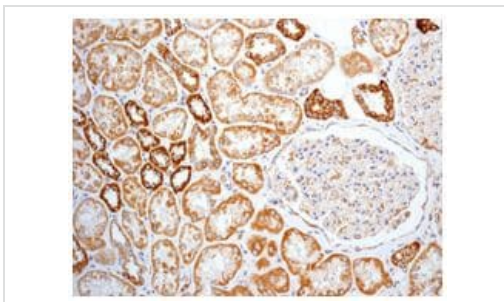
Lane 2 : K562 cell lysate

Lane 3 : MCF7 cell lysate

Lane 4 : THP1 cell lysate

Lysates/proteins at 10 µg per lane.

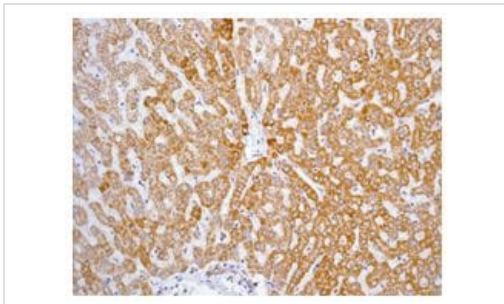
Predicted band size: 26 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MTCO2 antibody [EPR3313] (ab109739)

ab109739 at 1/100 dilution staining Cytochrome C oxidase subunit II in paraffin-embedded Human kidney tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

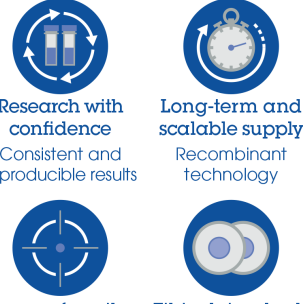


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MTCO2 antibody [EPR3313] (ab109739)

ab109739 at 1/100 dilution staining Cytochrome C oxidase subunit II in paraffin-embedded Human liver tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

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-MTCO2 antibody [EPR3313] (ab109739)

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

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