

Anti-MTCO2 antibody [EPR3313] - BSA and Azide free ab247921

リコンビナント RabMAb

画像数 4

製品の概要

製品名	Anti-MTCO2 antibody [EPR3313] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR3313] to MTCO2 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab247921 is the carrier-free version of ab109739.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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</p>

these species. Please contact us for more information.

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	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3313
アイソタイプ	IgG

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ab247921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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Antigen retrieval is recommended. Heat up to 98 degree C, below boiling, and then let cool for 10-20 min.
WB		Use at an assay dependent concentration. Predicted molecular weight: 26 kDa.

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能	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.
関連疾患	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.

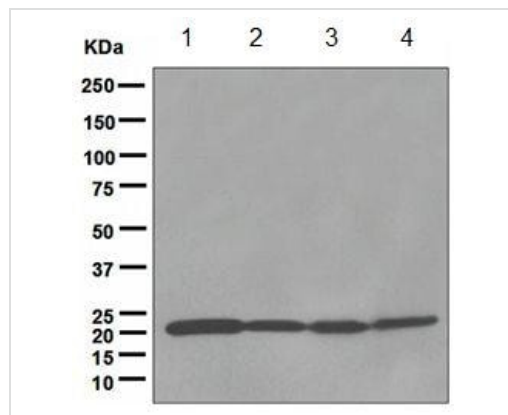
配列類似性

Belongs to the cytochrome c oxidase subunit 2 family.

細胞内局在

Mitochondrion inner membrane.

画像



Western blot - Anti-MTCO2 antibody [EPR3313] - BSA and Azide free (ab247921)

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

Lane 1 : HeLa cell lysate

Lane 2 : K562 cell lysate

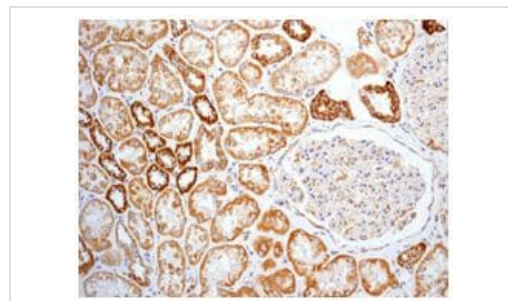
Lane 3 : MCF7 cell lysate

Lane 4 : THP1 cell lysate

Lysates/proteins at 10 µg per lane.

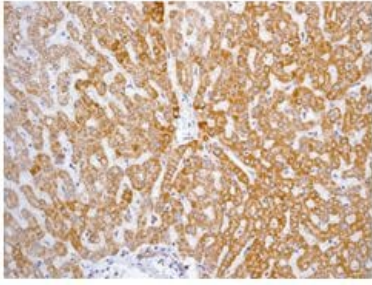
Predicted band size: 26 kDa

This data was developed using [ab109739](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MTCO2 antibody [EPR3313] - BSA and Azide free (ab247921)

This data was developed using [ab109739](#), the same antibody clone in a different buffer formulation. [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] - BSA and Azide free (ab247921)

This data was developed using **ab109739**, the same antibody clone in a different buffer formulation. **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

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

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