

### Anti-MTCO2 antibody [4B12A5] ab110271

★★★★★ **1 Abreviews** **37 References** **画像数 1**

#### 製品の概要

製品名	Anti-MTCO2 antibody [4B12A5]
製品の詳細	Mouse monoclonal [4B12A5] to MTCO2
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> <i>Saccharomyces cerevisiae</i>
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Mitochondria from yeast membrane extract
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 <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</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&amp;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	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
精製度	IgG fraction
特記事項(精製)	Near homogeneity as judged by SDS-PAGE. ab110271 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
ポリ/モノ	モノクローナル

クローン名	4B12A5
アイソタイプ	IgG2a
軽鎖の種類	kappa

## アプリケーション

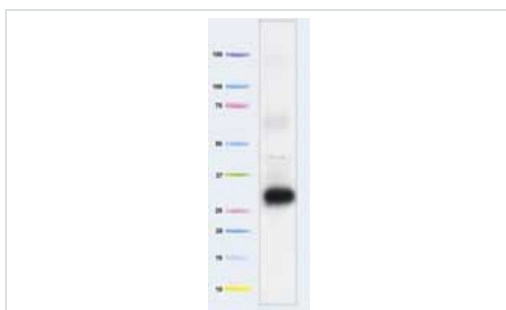
**The Abpromise guarantee** **Abpromise保証は、次のテスト済みアプリケーションにおけるab110271の使用に適用されず**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★☆☆☆☆ (1)	Use a concentration of 2 µg/ml. Predicted molecular weight: 26 kDa.

## ターゲット情報

<b>機能</b>	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.
<b>関連疾患</b>	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.
<b>配列類似性</b>	Belongs to the cytochrome c oxidase subunit 2 family.
<b>細胞内局在</b>	Mitochondrion inner membrane.

## 画像



Anti-MT-CO2 antibody [4B12A5] (ab110271) at 2 µg/ml +  
 Mitochondria from yeast membrane extract at 10 µg

**Predicted band size:** 26 kDa

Western blot - Anti-MT-CO2 antibody [4B12A5]  
 (ab110271)

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