

Anti-Ndufs4 antibody [2C7CD4AG3] ab87399

★★★★★ **5 Abreviews** **18 References** 画像数 2

製品の概要

製品名	Anti-Ndufs4 antibody [2C7CD4AG3]
製品の詳細	Mouse monoclonal [2C7CD4AG3] to Ndufs4
由来種	Mouse
アプリケーション	適用あり: Flow Cyt, WB
種交差性	交差種: Mouse, Rat, Cow, Human
免疫原	Recombinant full length protein. This information is considered to be commercially sensitive.
ポジティブ・コントロール	WB: isolated mitochondria from human, bovine, rat, and mouse heart tissue. Flow Cyt: HepG2 cells.
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>Constituents: HEPES, Sodium chloride</p>
精製度	IgG fraction
特記事項 (精製)	Near homogeneity as judged by SDS-PAGE. The antibody 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	2C7CD4AG3
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

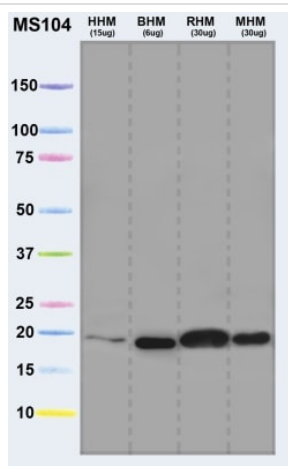
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab87399の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt	★★★★★ (1)	Use 1 µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (4)	Use a concentration of 1 µg/ml. Detects a band of approximately 20 kDa (predicted molecular weight: 20 kDa).

ターゲット情報

機能	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
関連疾患	Defects in NDUF54 are a cause of mitochondrial complex I deficiency (MT-C1D) [MIM:252010]. A disorder of the mitochondrial respiratory chain that causes a wide range of clinical disorders, from lethal neonatal disease to adult-onset neurodegenerative disorders. Phenotypes include macrocephaly with progressive leukodystrophy, non-specific encephalopathy, cardiomyopathy, myopathy, liver disease, Leigh syndrome, Leber hereditary optic neuropathy, and some forms of Parkinson disease.
配列類似性	Belongs to the complex I NDUF54 subunit family.
細胞内局在	Mitochondrion inner membrane.

画像



Western blot - Anti-Ndufs4 antibody [2C7CD4AG3] (ab87399)

All lanes : Anti-Ndufs4 antibody [2C7CD4AG3] (ab87399)

Lane 1 : Isolated mitochondria from human heart at 15 μ g

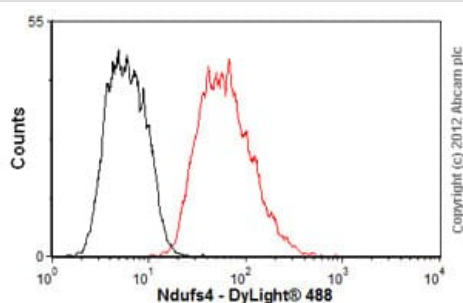
Lane 2 : Isolated mitochondria from bovine heart at 6 μ g

Lane 3 : Isolated mitochondria from rat heart at 30 μ g

Lane 4 : Isolated mitochondria from mouse heart at 30 μ g

Predicted band size: 20 kDa

Observed band size: 20 kDa



Flow Cytometry - Anti-Ndufs4 antibody [2C7CD4AG3] (ab87399)

Overlay histogram showing HepG2 cells stained with ab87399 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab87399, 1 μ g/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was Mouse IgG1 [ICIGG1] ([ab91353](#), 2 μ g/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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