

Anti-Ndufs4 antibody [2C7CD4AG3] ab87399

★★★★★ [5 Abreviews](#) [18 References](#) [2 图像](#)

概述

产品名称	Anti-Ndufs4抗体[2C7CD4AG3]
描述	小鼠单克隆抗体[2C7CD4AG3] to Ndufs4
宿主	Mouse
经测试应用	适用于: Flow Cyt, WB
种属反应性	与反应: Mouse, Rat, Cow, Human
免疫原	Recombinant full length protein. This information is considered to be commercially sensitive.
阳性对照	WB: isolated mitochondria from human, bovine, rat, and mouse heart tissue. Flow Cyt: HepG2 cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	<p>pH: 7.5</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: HEPES, Sodium chloride</p>
纯度	IgG fraction
纯化说明	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.
克隆	单克隆

克隆编号	2C7CD4AG3
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab87399于以下的经测试应用

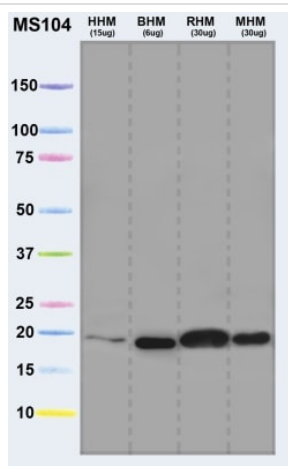
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt	★★★★★ (1)	Use 1µg 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).

靶标

功能	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.
疾病相关	Defects in NDUFS4 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.
序列相似性	Belongs to the complex I NDUFS4 subunit family.
细胞定位	Mitochondrion inner membrane.

图片



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

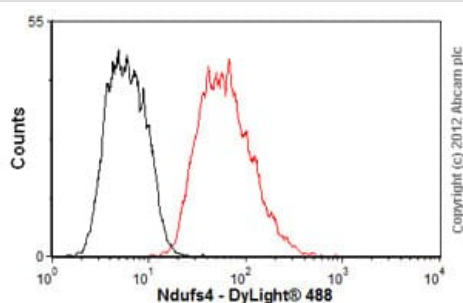
Lane 2 : Isolated mitochondria from bovine heart at 6 μ g

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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