

Anti-NDUFS3 antibody [3F9DD2] ab110246

★★★★★ 6 Abreviews 68 References 画像数 7

製品の概要

製品名	Anti-NDUFS3 antibody [3F9DD2]
製品の詳細	Mouse monoclonal [3F9DD2] to NDUFS3
由来種	Mouse
アプリケーション	適用あり: Flow Cyt, ICC/IF, IHC-P, WB
種交差性	交差種: Mouse, Rat, Cow, Human
免疫原	Tissue, cells or virus. This information is considered to be commercially sensitive.
ポジティブ・コントロール	Isolated mitochondria from Human, Bovine Rat and Mouse hearts; Cultured Human fibroblasts; HeLa cells; Human colon and cerebellum tissues.
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	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
精製度	IgG fraction
特記事項 (精製)	ab110246 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. ab110246 is judged as near homogeneity by SDS PAGE.
ポリ/モノ	モノクローナル

クローン名	3F9DD2
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

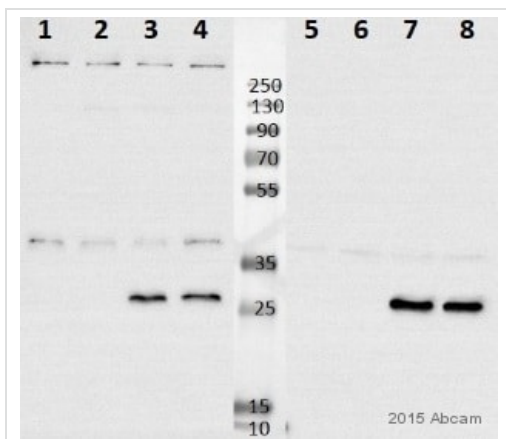
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab110246の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		Use a concentration of 1 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★★ (1)	Use a concentration of 5 - 10 µg/ml.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
WB	★★★★★ (4)	Use a concentration of 0.5 µg/ml. Predicted molecular weight: 30 kDa.

ターゲット情報

機能	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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.
配列類似性	Belongs to the complex I 30 kDa subunit family.
細胞内局在	Mitochondrion inner membrane.

画像



Western blot - Anti-NDUF3 antibody [3F9DD2]
(ab110246)

This image is courtesy of an anonymous AbReview

All lanes : Anti-NDUF3 antibody [3F9DD2] (ab110246) at 1/1000 dilution

Lanes 1-2 : Whole cell lysates from NDUF3 KO cells.

Lanes 3-4 : Whole cell lysates from NDUF3 WT cells.

Lanes 5-6 : Isolated mitochondria from NDUF3 KO cells.

Lanes 7-8 : Isolated mitochondria from NDUF3 WT cells.

Lysates/proteins at 50 µg per lane.

Secondary

All lanes : Goat anti-Mouse monoclonal HRP conjugate at 1/5000 dilution

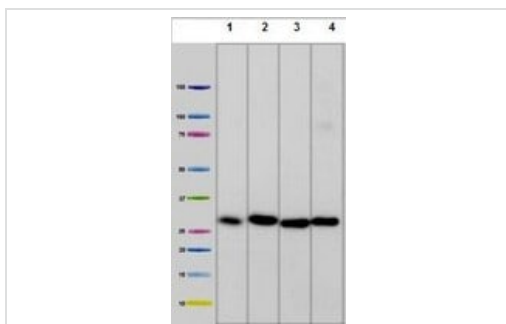
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 30 kDa

Additional bands at: 260 kDa (possible non-specific binding), 40 kDa (possible non-specific binding)

Exposure time: 1 minute



Western blot - Anti-NDUF3 antibody [3F9DD2]
(ab110246)

All lanes : Anti-NDUF3 antibody [3F9DD2] (ab110246) at 0.5 µg/ml

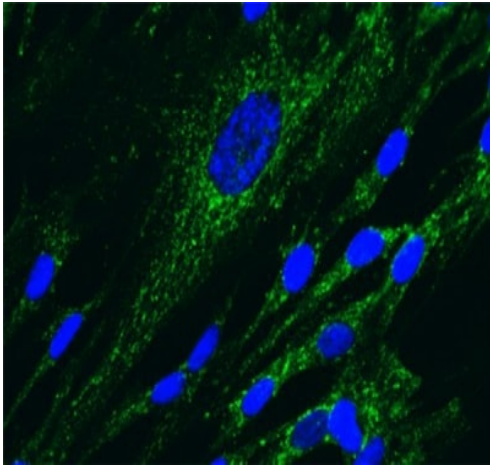
Lane 1 : Isolated mitochondria from Human heart at 5 µg

Lane 2 : Isolated mitochondria from Bovine heart at 1 µg

Lane 3 : Isolated mitochondria from Rat heart at 10 µg

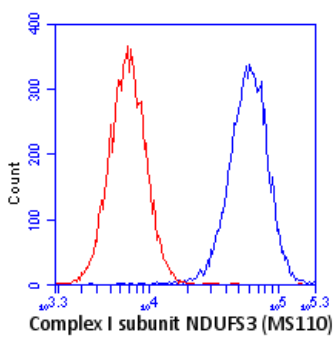
Lane 4 : Isolated mitochondria from Mouse heart at 10 µg

Predicted band size: 30 kDa



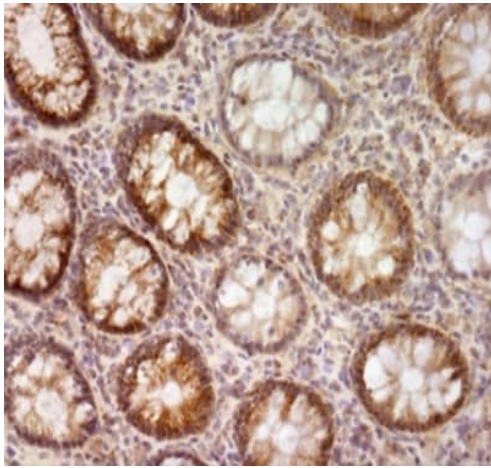
Immunocytochemistry/ Immunofluorescence - Anti-NDUF3 antibody [3F9DD2] (ab110246)

ab110246, at 10 $\mu\text{g/ml}$, staining NDUF3 in cultured Human fibroblasts by Immunofluorescence. The cells were fixed, treated for heat-induced antigen retrieval, permeabilized and then labeled with ab110246, followed by a fluorescent goat-anti-mouse IgG.



Flow Cytometry - Anti-NDUF3 antibody [3F9DD2] (ab110246)

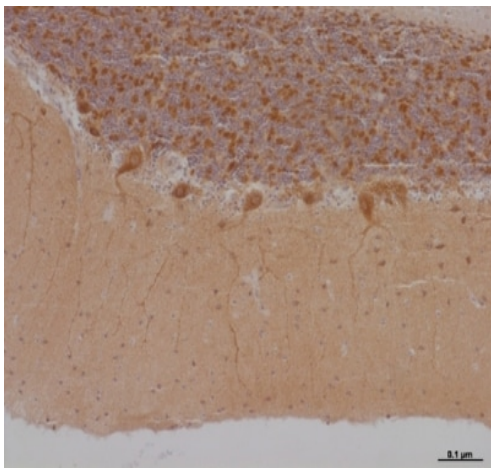
ab110246, at 1 $\mu\text{g/ml}$, staining NDUF3 in HeLa cells by Flow Cytometry (Blue).
Isotype control antibody, at 1 $\mu\text{g/ml}$, staining (red).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFS3 antibody [3F9DD2] (ab110246)

ab110246, at 1/100, staining NDUFS3 in Human colon tissue fixed with 4% PFA by Immunohistochemistry.

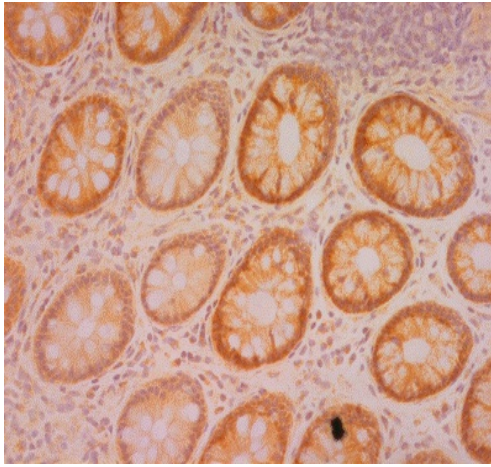
ab110246 was labeled with a universal probe (which recognizes antibodies raised in both mouse and rabbit species) for 30 minutes and a HRP-polymer probe for 30 minutes. ab110246 was diluted and incubated for 1 hour with the target. Antigen retrieval was not required.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFS3 antibody [3F9DD2] (ab110246)

ab110246, at 1/1000, staining NDUFS3 in formalin fixed and paraffin embedded Human cerebellum tissue by Immunohistochemistry.

ab110246 was labeled with a universal probe (which recognizes antibodies raised in both mouse and rabbit species) for 30 minutes and a HRP-polymer probe for 30 minutes. ab110246 was diluted and incubated with the target for 1 hour. Antigen retrieval performed by 1 min pressure cooking with 1mmol EDTA, pH8.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUF53 antibody [3F9DD2] (ab110246)

ab110246 staining NDUF53 in Human colon tissue sections from a normal ageing patient by Immunohistochemistry. Kindly provided by Dr. L. Greaves and D. Turnbull, Mitochondrial Research Group, Newcastle University. For more details, see Taylor et al., J. Clin. Invest. 112:1351-1360 (2003).

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