

Anti-NDUFB8 antibody [EPR15961] ab192878

敲除验证 重组 RabMAb

★★★★★ [1 Abreviews](#) [11 References](#) [12 图像](#)

概述

产品名称	Anti-NDUFB8抗体[EPR15961]
描述	兔单克隆抗体[EPR15961] to NDUFB8
宿主	Rabbit
经测试应用	适用于: ICC/IF, IP, WB, IHC-P, Flow Cyt (Intra)
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human fetal liver, fetal heart and tonsil lysates; HeLa, C6, PC12, NIH 3T3 and RAW 264.7 cell lysates; Human kidney, Mouse brain and Rat kidney tissues; HeLa cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR15961
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab192878于以下的经测试应用

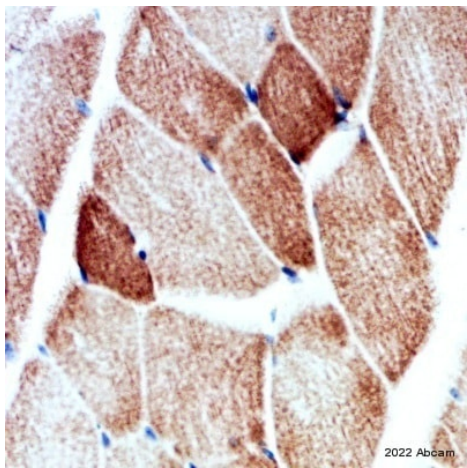
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/50.
IP		1/20.
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 19 kDa (predicted molecular weight: 22 kDa).
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.

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.
序列相似性	Belongs to the complex I NDUF8 subunit family.
细胞定位	Mitochondrion inner membrane.

图片

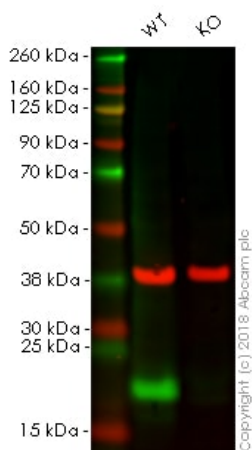


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFB8 antibody

[EPR15961] (ab192878)

This image is courtesy of an Abreview submitted by Diego Perez Rodriguez

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of paraformaldehyde-fixed mouse skeletal muscle tissue permeabilized with 0.3% Triton X100 in PBS stained with ab192878 at 1/50 dilution. Secondary antibody was Goat Anti-Rabbit IgG Antibody (H+L), Biotinylated at 1/3000 dilution. Samples were incubated with the primary antibody with 5% goat serum in 0.2% Triton X100 in PBS for 16 hours at 4°C. Blocking was done using 5% serum for 1 hour at 21°C. Heat mediated antigen retrieval with Tris/EDTA pH 9.0. ABC system used for signal amplification. Chromogenic reaction developed with DAB Substrate Kit ([ab64238](#)). Cell nuclei counterstained with Gill's hematoxylin I.



Western blot - Anti-NDUFB8 antibody [EPR15961] (ab192878)

All lanes : Anti-NDUFB8 antibody [EPR15961] (ab192878) at 1/1000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : NDUFB8 knockout HAP1 whole cell lysate

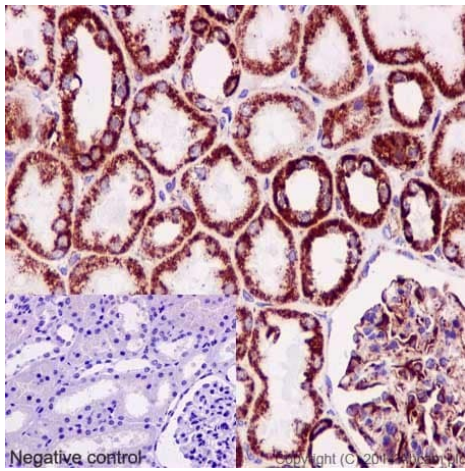
Lysates/proteins at 20 µg per lane.

Predicted band size: 22 kDa

Observed band size: 19 kDa

Lanes 1 - 2: Merged signal (red and green). Green - ab192878 observed at 19 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

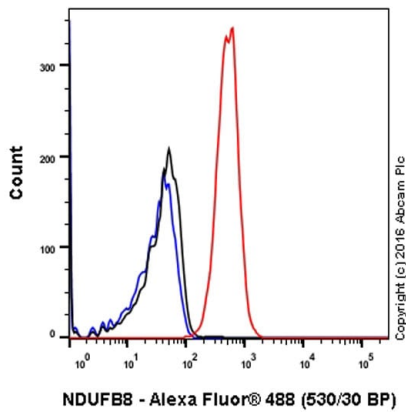
ab192878 was shown to specifically react with NDUFB8 in wild-type HAP1 cells as signal was lost in NDUFB8 knockout cells. Wild-type and NDUFB8 knockout samples were subjected to SDS-PAGE. Ab192878 and [ab9484](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed [ab216776](#) secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFB8 antibody [EPR15961] (ab192878)

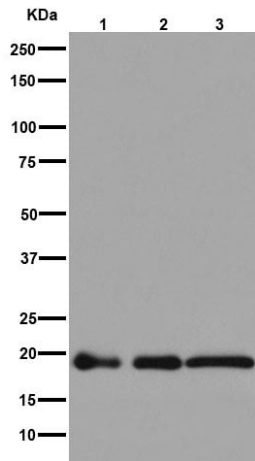
Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling NDUFB8 with ab192878 at 1/500 dilution followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-NDUFB8 antibody [EPR15961] (ab192878)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labelling NDUFB8 antibody (red) with purified ab192878 at a dilution of 1/30. Goat anti rabbit IgG (Alexa Fluor® 488) was used as the secondary antibody at 1/2000. Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Isotype control antibody was Rabbit monoclonal IgG (black). The blue line shows cells without incubation with primary antibody and secondary antibody.



Western blot - Anti-NDUFB8 antibody [EPR15961] (ab192878)

All lanes : Anti-NDUFB8 antibody [EPR15961] (ab192878) at 1/5000 dilution

Lane 1 : Human fetal liver lysate

Lane 2 : Human tonsil lysate

Lane 3 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

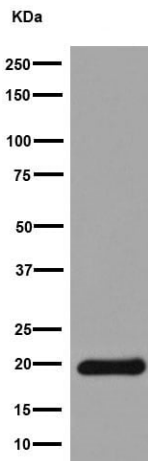
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 22 kDa

Observed band size: 19 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-NDUFB8 antibody [EPR15961] (ab192878)

Anti-NDUFB8 antibody [EPR15961] (ab192878) at 1/20000 dilution + Human fetal heart lysate at 20 µg

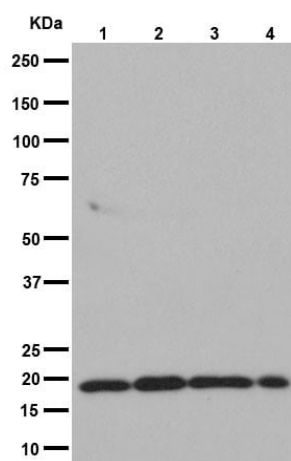
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 22 kDa

Observed band size: 19 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-NDUFB8 antibody [EPR15961]
(ab192878)

All lanes : Anti-NDUFB8 antibody [EPR15961] (ab192878) at
1/5000 dilution

Lane 1 : C6 cell lysate

Lane 2 : RAW 264.7 cell lysate

Lane 3 : PC-12 cell lysate

Lane 4 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

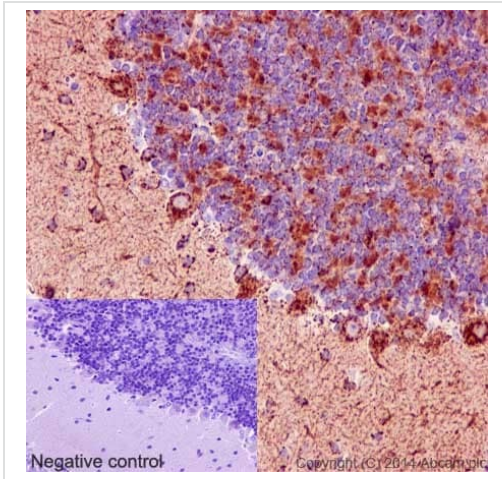
Secondary

All lanes : Goat anti-rabbit IgG, (H+L), peroxidase conjugated at
1/1000 dilution

Predicted band size: 22 kDa

Observed band size: 19 kDa

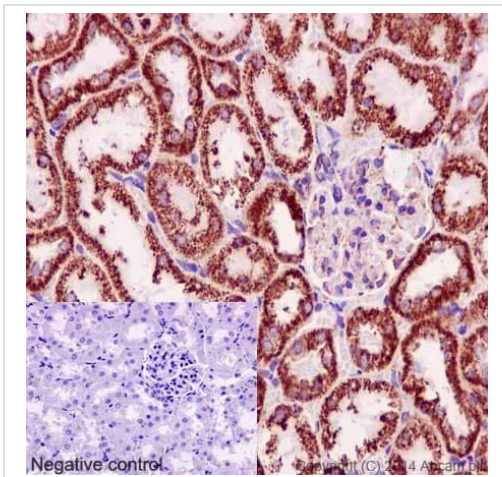
Blocking/Dilution buffer: 5% NFDm/TBST.



Immunohistochemical analysis of paraffin-embedded Mouse brain tissue labeling NDUFB8 with ab192878 at 1/500 dilution followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

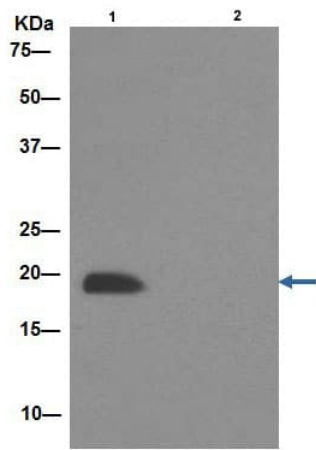
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFB8 antibody [EPR15961] (ab192878)



Immunohistochemical analysis of paraffin-embedded Rat kidney tissue labeling NDUFB8 with ab192878 at 1/500 dilution followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

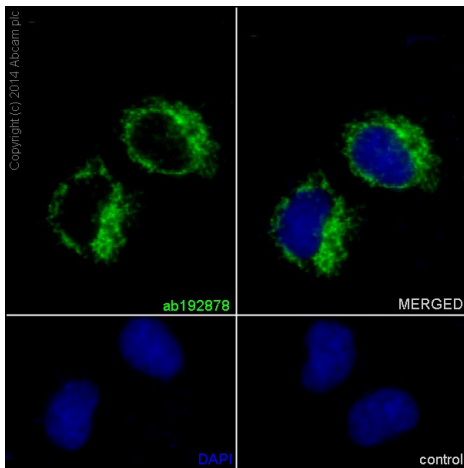
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFB8 antibody [EPR15961] (ab192878)



Immunoprecipitation - Anti-NDUF8 antibody
[EPR15961] (ab192878)

Western blot analysis of NDUF8 immunoprecipitated from Human fetal heart lysate using ab192878 at 1/20 dilution. Lane 1: Human fetal liver lysate. Lane 2: PBS instead of Human fetal liver lysate. Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

Blocking/Dilution buffer: 5% NFD/MTBST.



Immunocytochemistry/ Immunofluorescence - Anti-NDUF8 antibody [EPR15961] (ab192878)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized HeLa cells labeling NDUF8 with ab192878 at 1/50 dilution followed by Goat anti rabbit IgG (AlexaFluor® 488) (**ab150077**) secondary antibody at 1/400 dilution. Nuclear counter stained is DAPI (blue).

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
- 

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Animal-free production

Anti-NDUF8 antibody [EPR15961] (ab192878)

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