


Product datasheet

Anti-NDUFAB1 antibody [EPR6725] α b181021

Recombinant RabMAb

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Overview

Product name	Anti-NDUFAB1 antibody [EPR6725]
Description	Rabbit monoclonal [EPR6725] to NDUFAB1
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IP, IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Molt-4, A431 and HepG2 cell lysate. Human heart and kidney tissue. HepG2 cells.
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6725
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181021 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/160. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/60.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/10000 - 1/50000. Predicted molecular weight: 17 kDa.

Target

Function

Carrier of the growing fatty acid chain in fatty acid biosynthesis in mitochondria. Accessory and non-catalytic subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which functions in the transfer of electrons from NADH to the respiratory chain.

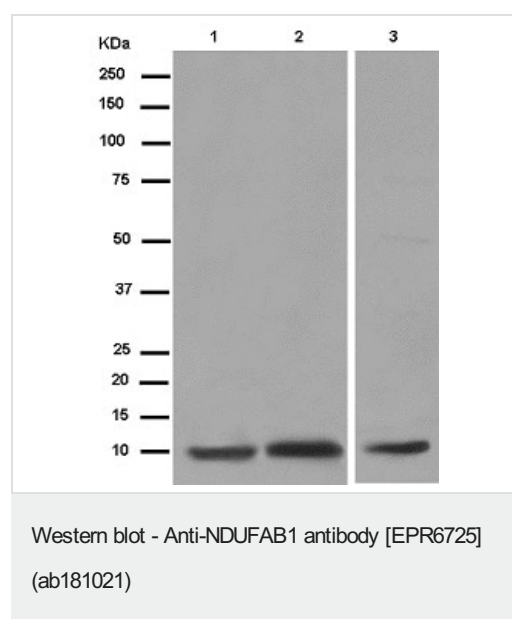
Sequence similarities

Contains 1 acyl carrier domain.

Cellular localization

Mitochondrion.

Images



All lanes : Anti-NDUFAB1 antibody [EPR6725] (ab181021) at 1/10000 dilution

Lane 1 : Molt-4 cell lysate

Lane 2 : A431 cell lysate

Lane 3 : HepG2 cell lysate

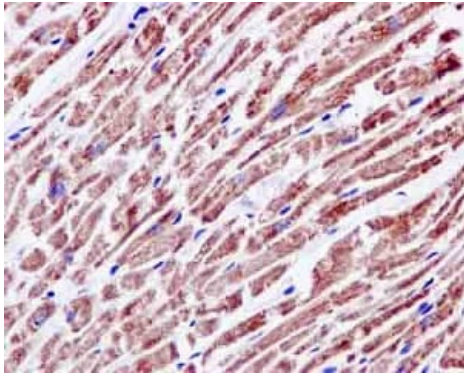
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 17 kDa

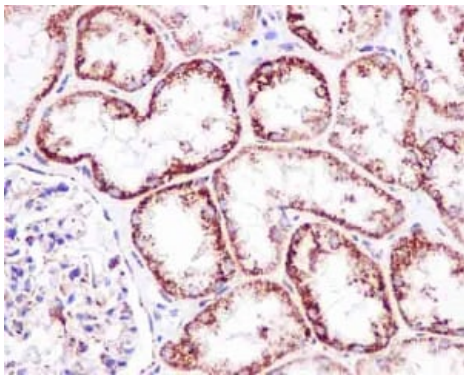
Blocking/ Dilution buffer: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFAB1 antibody [EPR6725] (ab181021)

Immunohistochemical analysis of paraffin embedded Human heart tissue sections labeling NDUFAB1 using ab181021 at a 1/250 dilution. A ready to use HRP Polymer for Rabbit IgG was used as the secondary. Hematoxylin counterstain.

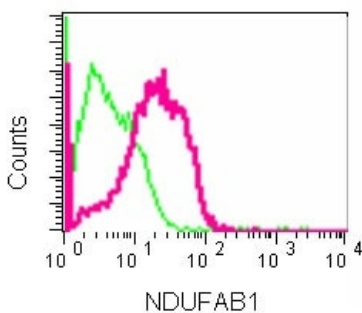
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFAB1 antibody [EPR6725] (ab181021)

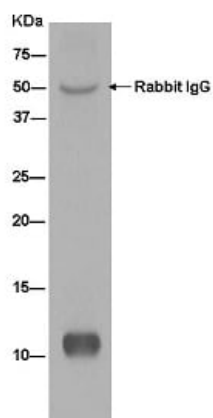
Immunohistochemical analysis of paraffin embedded Human kidney tissue sections labeling NDUFAB1 using ab181021 at a 1/250 dilution. A ready to use HRP Polymer for Rabbit IgG was used as the secondary. Hematoxylin counterstain.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-NDUFAB1 antibody [EPR6725] (ab181021)

Intracellular Flow Cytometry analysis of HepG2 cells labeling NDUFAB1 using ab181021 at a 1/160 dilution (pink). Goat anti rabbit IgG (FITC) used as the secondary at a 1/150 dilution. Isotype control Rabbit monoclonal IgG (green). Cells were fixed in 2% paraformaldehyde.



Lysate from HepG2 cells was immunoprecipitated with ab181021 at a 1/60 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at a 1/1000 dilution for the secondary. Blocking/ Dilution buffer: 5% NFDM/TBST.

Immunoprecipitation - Anti-NDUFAB1 antibody
[EPR6725] (ab181021)

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



Ethical standards compliant
Animal-free production

Anti-NDUFAB1 antibody [EPR6725] (ab181021)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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