

Product datasheet

Anti-NDUFB10 antibody [EPR16230] ab192245

Recombinant RabMAb

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Overview

Product name	Anti-NDUFB10 antibody [EPR16230]
Description	Rabbit monoclonal [EPR16230] to NDUFB10
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, HepG2, Jurkat and Human fetal kidney lysates; HeLa 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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16230
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab192245 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
WB		1/1000 - 1/5000. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).
ICC/IF		1/50.

Target

Function

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.

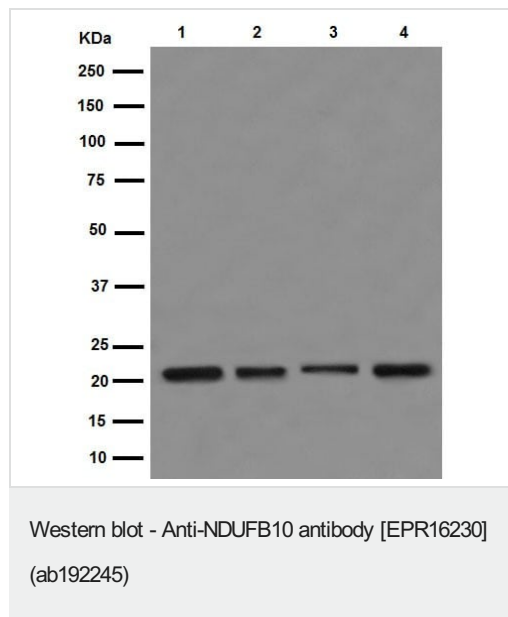
Sequence similarities

Belongs to the complex I NDUFB10 subunit family.

Cellular localization

Mitochondrion inner membrane.

Images



All lanes : Anti-NDUFB10 antibody [EPR16230] (ab192245) at 1/5000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : Human fetal kidney lysate

Lysates/proteins at 20 µg per lane.

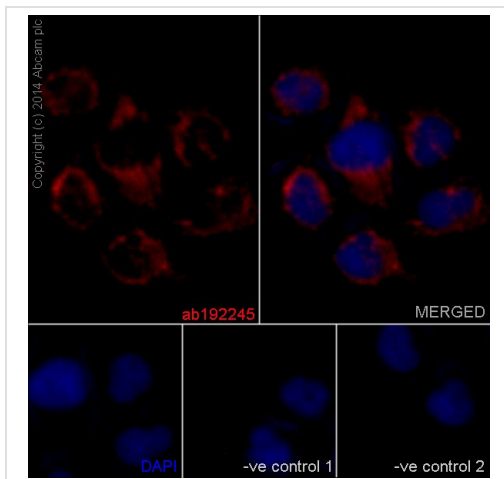
Secondary

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

Predicted band size: 21 kDa

Observed band size: 21 kDa

Blocking/Dilution buffer: 5% NFDM /TBST.







Immunocytochemistry/ Immunofluorescence - Anti-NDUFB10 antibody [EPR16230] (ab192245)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized HeLa cells labeling NDUFB10 with ab192245 at 1/50 dilution (6 µg/ml), followed by Goat anti rabbit IgG (Alexa Fluor® 555) secondary antibody (**ab150078**) at 1/500 dilution. Nuclear counter stain Dapi (blue).

The two negative controls are ab192245 at 1/50 dilution followed by (Goat anti mouse IgG (Alexa Fluor®488) secondary antibody at 1/200 dilution.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-NDUFB10 antibody [EPR16230] (ab192245)

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

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