Product datasheet

Anti-NDUFA4 antibody ab129752

Overview

Product name: Anti-NDUFA4 antibody
Description: Rabbit polyclonal to NDUFA4
Host species: Rabbit
Tested applications: Suitable for: ICC/IF, WB, ELISA
Species reactivity: Reacts with: Mouse, Human
Predicted to work with: Rat
Immunogen: Synthetic peptide derived from internal sequence of Human NDUFA4.
Positive control: HepG2 and RAW264.7 cell extracts This antibody gave a positive result when used in the following formaldehyde fixed cell lines: HeLa

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer: pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: 49% PBS, 50% Glycerol, 0.88% Sodium chloride
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab129752 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 5 µg/ml.</td>
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<tr>
<td>WB</td>
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<td>1/500 - 1/1000. Predicted molecular weight: 9 kDa.</td>
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Function
Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed to be not 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 NDUFA4 subunit family.

Cellular localization
Mitochondrion inner membrane.

Images
ab129752 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab129752 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti-rabbit (ab96899) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

All lanes: Anti-NDUFA4 antibody (ab129752) at 1/100 dilution

Lane 1: HepG2 cell extract
Lane 2: HepG2 cell extract with immunizing peptide
Lane 3: RAW264.7 cell extract

Predicted band size: 9 kDa
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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