Product datasheet

Anti-NDUFB11 antibody [EPR15252] ab183716

Overview

Product name Anti-NDUFB11 antibody [EPR15252]
Description Rabbit monoclonal [EPR15252] to NDUFB11
Host species Rabbit
Tested applications Suitable for: WB, Flow Cyt, IHC-P
Species reactivity Reacts with: Mouse, Rat, Human
Immunogen Recombinant fragment within Human NDUFB11 aa 50 to the C-terminus. The exact sequence is proprietary.
Database link: Q9NX14
Positive control Human heart lysate; HeLa, HepG2 and A431 cell lysates; Human kidney tissue; HeLa cells.
General notes

Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents.

This product is a recombinant rabbit monoclonal antibody.

Properties

Form Liquid
Storage buffer Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity Protein A purified
Clonality Monoclonal
Clone number EPR15252
Isotype IgG

Applications
NDUFB11 (NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11) is a component of the mitochondrial complex 1. Mammalian complex I is the first enzyme complex in the electron transport chain of mitochondria. It is composed of 45 different subunits. Complex I transfers electrons from NADH to the respiratory chain via ubiquinone.

**Cellular localization**
Mitochondrion inner membrane.

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**Application**

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>WB</td>
<td>1/10000 - 1/50000. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa).</td>
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<tr>
<td>Flow Cyt</td>
<td>1/240. ( \text{ab172730} ) - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>IHC-P</td>
<td>1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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**Target**

**Relevance**
NDUFB11 (NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11) is a component of the mitochondrial complex 1. Mammalian complex I is the first enzyme complex in the electron transport chain of mitochondria. It is composed of 45 different subunits. Complex I transfers electrons from NADH to the respiratory chain via ubiquinone.

**Cellular localization**
Mitochondrion inner membrane.

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**Images**

Anti-NDUFB11 antibody [EPR15252] (ab183716) at 1/10000 dilution + Human heart lysate at 20 µg

**Secondary**

Rabbit anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

**Predicted band size:** 17 kDa
**Observed band size:** 17 kDa
**Western blot** - Anti-NDUFB11 antibody [EPR15252] (ab183716)

Lanes 1-2: Anti-NDUFB11 antibody [EPR15252] (ab183716) at 1/50000 dilution

Lane 3: Anti-NDUFB11 antibody [EPR15252] (ab183716) at 1/10000 dilution

Lane 1: HeLa cell lysate
Lane 2: HepG2 cell lysate
Lane 3: A431 cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

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

Developed using the ECL technique.

**Predicted band size:** 17 kDa

**Observed band size:** 17 kDa

Immunohistochemical analysis of paraffin-embedded, Human kidney tissue labeling NDUFB11 with ab183716 at a 1/250 dilution. Counter stained with hematoxylin.
Flow cytometry analysis of paraformaldehyde-fixed HeLa cells labeling NDUFB11 with ab183716 at a 1/240 dilution and secondary antibody goat anti-rabbit IgG (FITC, red) at a 1/150 dilution, or negative control rabbit IgG (green).

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