

## Product datasheet

# Anti-NDUFA5 antibody [EPR15330] ab183706

Recombinant RabMAb

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### Overview

<b>Product name</b>	Anti-NDUFA5 antibody [EPR15330]
<b>Description</b>	Rabbit monoclonal [EPR15330] to NDUFA5
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human fetal heart, HepG2, 293 and HT-1376 lysates.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15330
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab183706 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 - 1/10000. Detects a band of approximately 13 kDa (predicted molecular weight: 13 kDa).

## 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.

### Tissue specificity

Expressed in all tissues examined with highest levels in heart, skeletal muscle and brain.

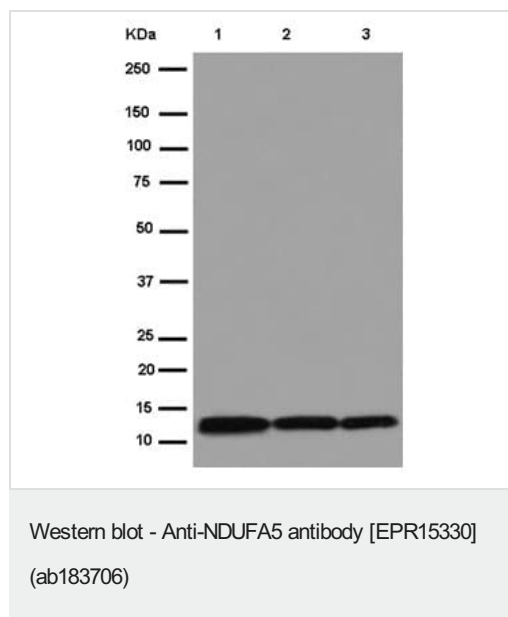
### Sequence similarities

Belongs to the complex I NDUFA5 subunit family.

### Cellular localization

Mitochondrion inner membrane.

## Images



**All lanes** : Anti-NDUFA5 antibody [EPR15330] (ab183706) at 1/5000 dilution

**Lane 1** : HepG2 cell lysate

**Lane 2** : 293 cell lysate

**Lane 3** : HT-1376 cell lysate

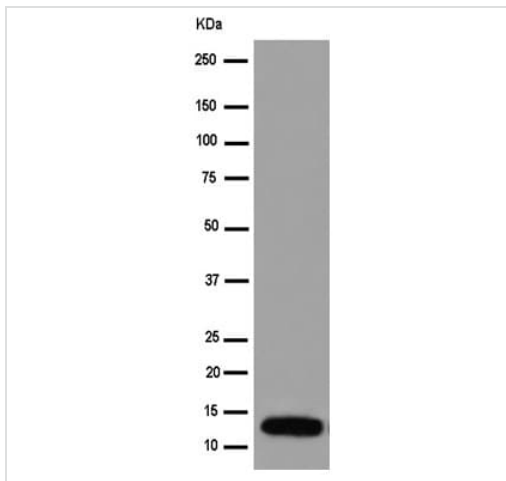
Lysates/proteins at 20 µg per lane.

### Secondary

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

**Predicted band size:** 13 kDa

**Observed band size:** 13 kDa



Western blot - Anti-NDUFA5 antibody [EPR15330] (ab183706)

Anti-NDUFA5 antibody [EPR15330] (ab183706) at 1/20000 dilution + Human fetal heart lysate at 20 µg





**Secondary**

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 13 kDa

**Observed band size:** 13 kDa

Why choose a recombinant antibody?

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

Anti-NDUFA5 antibody [EPR15330] (ab183706)

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

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