

## Product datasheet

# Anti-NDUFS5 antibody [EPR12291] ab179806

Recombinant RabMAb

[1 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-NDUFS5 antibody [EPR12291]
<b>Description</b>	Rabbit monoclonal [EPR12291] to NDUFS5
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human NDUFS5. The exact sequence is proprietary. Database link: <a href="#">O43920</a>
<b>Positive control</b>	Human fetal liver, Human fetal brain, HUVEC, K562 and HepG2 lysates; Human heart tissue.
<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
<b>Purity</b>	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12291
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab179806 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

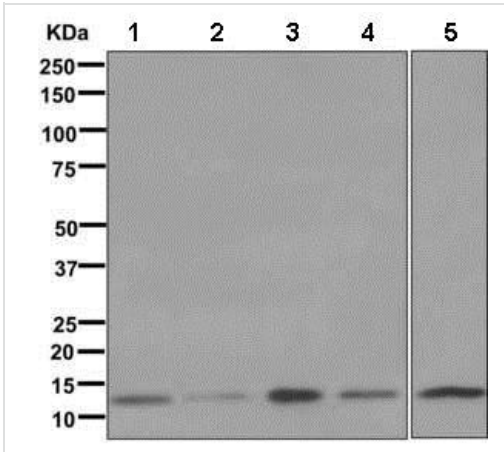
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/5000. Detects a band of approximately 13 kDa (predicted molecular weight: 13 kDa).
<b>IHC-P</b>		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IP.

## Target

<b>Function</b>	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.
<b>Sequence similarities</b>	Belongs to the complex I NDUF5 subunit family.
<b>Domain</b>	Contains two C-X9-C motifs that are predicted to form a helix-coil-helix structure, permitting the formation of intramolecular disulfide bonds.
<b>Cellular localization</b>	Mitochondrion. Mitochondrion inner membrane. Mitochondrion intermembrane space.

## Images



Western blot - Anti-NDUFS5 antibody [EPR12291] (ab179806)

**All lanes :** Anti-NDUFS5 antibody [EPR12291] (ab179806) at 1/1000 dilution

**Lane 1 :** Human fetal liver lysate

**Lane 2 :** Human fetal brain lysate

**Lane 3 :** HUVEC lysate

**Lane 4 :** K562 lysate

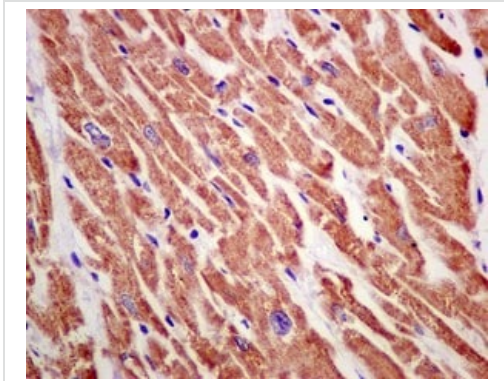
**Lane 5 :** HepG2 lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 13 kDa






Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFS5 antibody [EPR12291] (ab179806)

Immunohistochemical analysis of paraffin embedded Human heart tissue labeling NDUF5 with ab179806 at 1/50.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?

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

Anti-NDUFS5 antibody [EPR12291] (ab179806)

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

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