




# Anti-NDUFA2 antibody ab198196

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

## Overview

<b>Product name</b>	Anti-NDUFA2 antibody
<b>Description</b>	Rabbit polyclonal to NDUFA2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Cow, Cynomolgus monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Recombinant full length protein (GST-tag) corresponding to Human NDUFA2 aa 1 to the C-terminus. Database link: <a href="#">O43678</a> <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	IHC: Human esophagus and breast cancer tissue; WB: Mouse heart tissue lysate,
<b>General notes</b>	<p>The encoded protein is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox processes. Mutations in this gene are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</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: 7.4 Preservative: 0.05% Sodium azide

	Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab198196 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

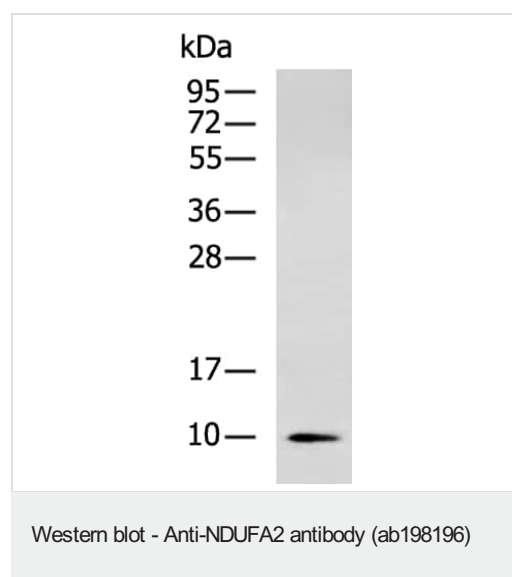
Application	Abreviews	Notes
IHC-P		1/50 - 1/200.
WB		1/200 - 1/1000. Predicted molecular weight: 11 kDa.

## 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.

**Cellular localization** Mitochondrion inner membrane.

## Images



Anti-NDUFA2 antibody (ab198196) at 1/400 dilution + Mouse heart tissue lysate at 40 µg

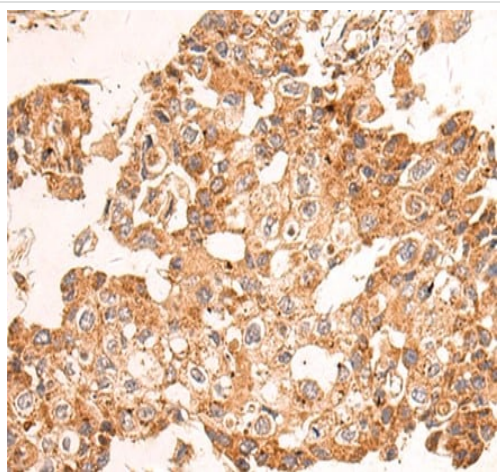
### Secondary

Goat anti rabbit IgG at 1/5000 dilution

**Predicted band size:** 11 kDa

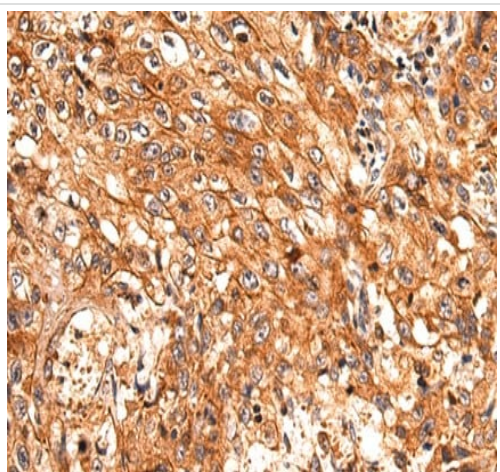
**Exposure time:** 2 minutes

Gel: 12%SDS-PAGE.



Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using ab198196 at dilution 1/60.

Western blot - Anti-NDUFA2 antibody (ab198196)



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using ab198196 at dilution 1/60.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFA2 antibody (ab198196)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors