

Product datasheet

# Alexa Fluor® 488 Anti-Ubiquinol-Cytochrome C Reductase Core Protein I antibody [16D10AD9AH5] ab197967

1 Image

Overview

<b>Product name</b>	Alexa Fluor® 488 Anti-Ubiquinol-Cytochrome C Reductase Core Protein I antibody [16D10AD9AH5]
<b>Description</b>	Alexa Fluor® 488 Mouse monoclonal [16D10AD9AH5] to Ubiquinol-Cytochrome C Reductase Core Protein I
<b>Host species</b>	Mouse
<b>Conjugation</b>	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Cow, Human
<b>Immunogen</b>	Full length native protein (purified) corresponding to Cow Ubiquinol-Cytochrome C Reductase Core Protein I.
<b>Positive control</b>	ICC/IF: HCT116 cells.
<b>General notes</b>	

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Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Avoid freeze / thaw cycle. Store In the Dark.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol, PBS, 1% BSA
<b>Purity</b>	IgG fraction
<b>Purification notes</b>	<a href="#">ab110252</a> is produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	16D10AD9AH5
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab197967** 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
ICC/IF		1/50. This product gave a positive signal in HCT116 cells fixed with 100% methanol (5 min).

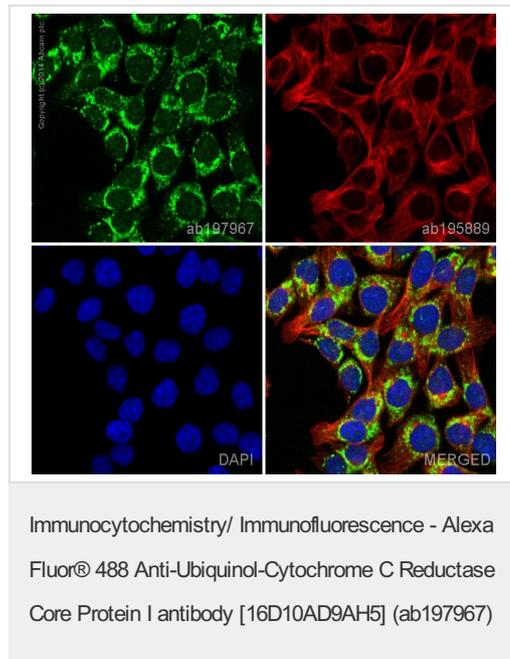
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## Target

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<b>Function</b>	This is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is part of the mitochondrial respiratory chain. This protein may mediate formation of the complex between cytochromes c and c1.
<b>Sequence similarities</b>	Belongs to the peptidase M16 family. UQCRC1/QCR1 subfamily.
<b>Cellular localization</b>	Mitochondrion inner membrane.

## Images



ab197967 staining Ubiquinol-Cytochrome C Reductase Core Protein I in HCT116 cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab at a 1/50 dilution (shown in green) and ab195889, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at a 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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

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