

Product datasheet

Anti-UQCRB antibody [EPR15591] α b190360

Recombinant RabMAb

★★★★★ [4 Abreviews](#) [8 References](#) [6 Images](#)

Overview

Product name	Anti-UQCRB antibody [EPR15591]
Description	Rabbit monoclonal [EPR15591] to UQCRB
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, Human fetal heart, 293, mouse heart, rat brain and NIH-3T3 lysates, Human adenocarcinoma of colon tissue, HeLa cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15591
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab190360 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	★★★★★ (3)	1/1000 - 1/10000. Detects a band of approximately 14 kDa (predicted molecular weight: 14 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/250.

Target

Function

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 component is involved in redox-linked proton pumping.

Involvement in disease

Defects in UQCRB are a cause of mitochondrial complex III deficiency (MT-C3D) [MIM:124000]. A disorder of the mitochondrial respiratory chain resulting in a highly variable phenotype depending on which tissues are affected. Clinical features include mitochondrial encephalopathy, psychomotor retardation, ataxia, severe failure to thrive, liver dysfunction, renal tubulopathy, muscle weakness and exercise intolerance.

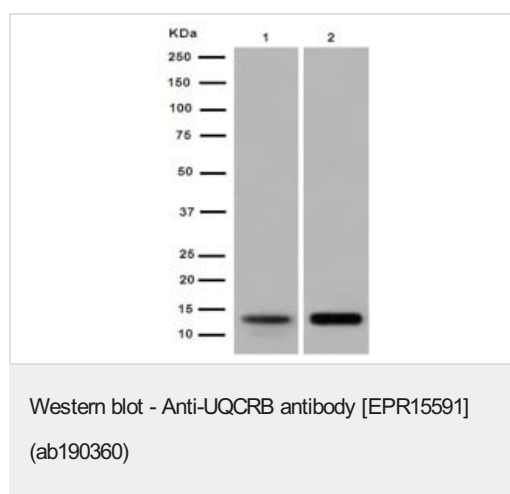
Sequence similarities

Belongs to the UQCRB/QCR7 family.

Cellular localization

Mitochondrion inner membrane.

Images



All lanes : Anti-UQCRB antibody [EPR15591] (ab190360) at 1/20000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Human fetal heart tissue lysate

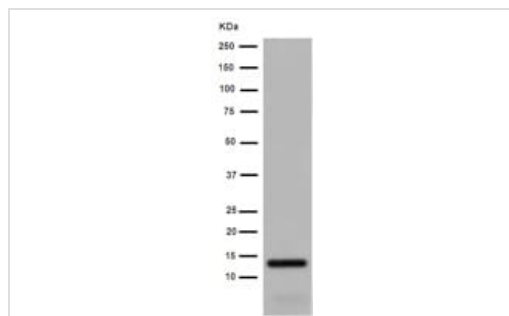
Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 14 kDa

Observed band size: 14 kDa



Western blot - Anti-UQCRB antibody [EPR15591]
(ab190360)

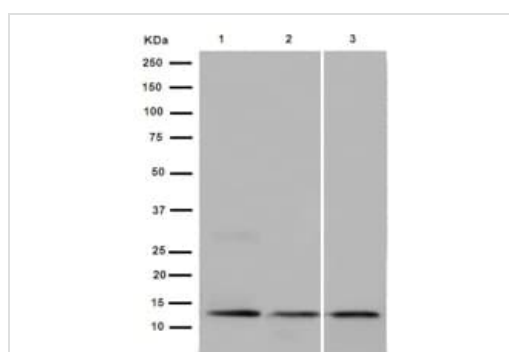
Anti-UQCRB antibody [EPR15591] (ab190360) at 1/5000 dilution +
293 cell lysate at 20 µg

Secondary

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

Predicted band size: 14 kDa

Observed band size: 14 kDa



Western blot - Anti-UQCRB antibody [EPR15591]
(ab190360)

All lanes : Anti-UQCRB antibody [EPR15591] (ab190360) at
1/1000 dilution

Lane 1 : Mouse heart tissue lysate

Lane 2 : Rat brain tissue lysate

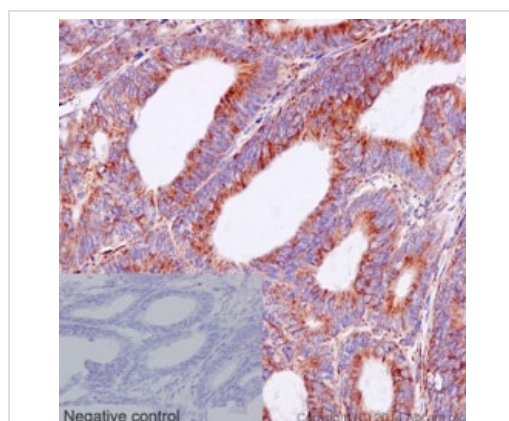
Lane 3 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 14 kDa

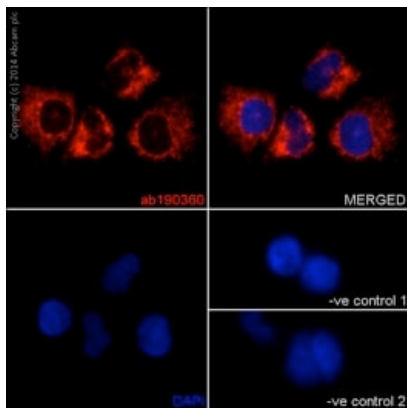


Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-UQCRB antibody
[EPR15591] (ab190360)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded
Human adenocarcinoma of the colon labeling UQCRB with
ab190360 at 1/100 and HRP Polymer for Rabbit IgG.

Counterstained with hematoxylin. Negative control also shown.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH
9.0 before commencing with IHC staining protocol.



Immunocytochemical analysis of HeLa cells fixed in 4% paraformaldehyde labeling UQCRB with ab190360 at 1/250 dilution and Goat anti rabbit IgG (Alexa Fluor® 555) at 1/200 dilution. Counterstained with DAPI. Negative controls also shown.

Immunocytochemistry/ Immunofluorescence - Anti-UQCRB antibody [EPR15591] (ab190360)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-UQCRB antibody [EPR15591] (ab190360)

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