

Product datasheet

Anti-Cytochrome b-c1 complex subunit 9/UQCR10 antibody [EPR8179] α 134909

Recombinant RabMAb

[1 References](#) [4 Images](#)

Overview

Product name	Anti-Cytochrome b-c1 complex subunit 9/UQCR10 antibody [EPR8179]
Description	Rabbit monoclonal [EPR8179] to Cytochrome b-c1 complex subunit 9/UQCR10
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: Flow Cyt, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Cytochrome b-c1 complex subunit 9/UQCR10 aa 50-150. The exact sequence is proprietary.
Positive control	MCF7, HepG2, HeLa, Human fetal heart, and Human skeletal muscle lysates; 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> <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

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Dissociation constant (K_D)	K _D = 3.40 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8179
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab134909 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

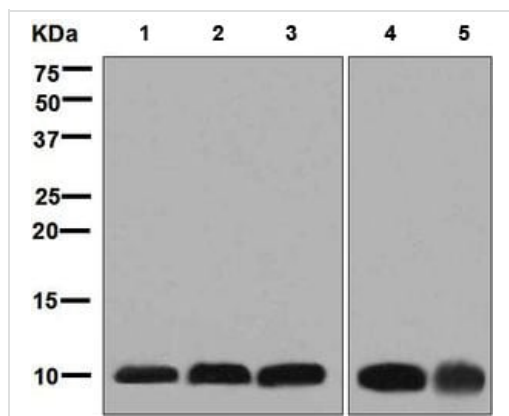
Application	Abreviews	Notes
WB		1/10000 - 1/50000. Predicted molecular weight: 7 kDa.
ICC/IF		1/250 - 1/500.

Application notes Is unsuitable for Flow Cyt, IHC-P or IP.

Target

Relevance	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 subunit interacts with cytochrome c1. Similarity: Belongs to the UQCR10/QCR9 family.
Cellular localization	Mitochondrial; Mitochondrion inner membrane

Images



Western blot - Anti-Cytochrome b-c1 complex subunit 9/UQCR10 antibody [EPR8179] (ab134909)

All lanes : Anti-Cytochrome b-c1 complex subunit 9/UQCR10 antibody [EPR8179] (ab134909) at 1/10000 dilution

Lane 1 : MCF7 cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : Human fetal heart tissue lysate

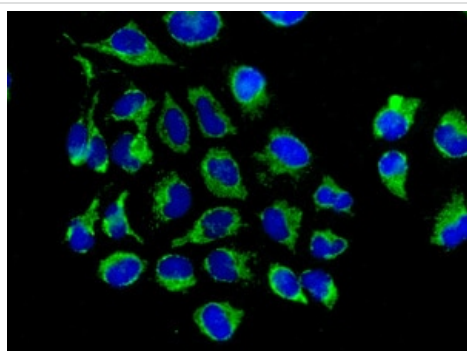
Lane 5 : Human skeletal muscle lysate

Lysates/proteins at 10 µg per lane.

Secondary

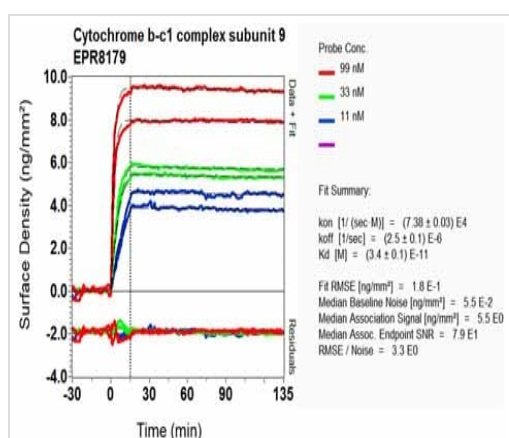
All lanes : HRP-conjugated goat anti-rabbit IgG polyclonal at 1/2000 dilution

Predicted band size: 7 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Cytochrome b-c1 complex subunit 9/UQCR10 antibody [EPR8179] (ab134909)

Immunofluorescent analysis of HeLa cells labelling Cytochrome b-c1 complex subunit 9/UQCR10 with ab134909 at 1/250 dilution.



OI-RD Scanning - Anti-Cytochrome b-c1 complex subunit 9/UQCR10 antibody [EPR8179] (ab134909)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-Cytochrome b-c1 complex subunit 9/UQCR10
antibody [EPR8179] (ab134909)

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

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