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Anti-Cytochrome c1 Antibody
Rabbit polyclonal antibody to Cytochrome c1
Catalog # AP60447

Specification

Anti-Cytochrome c1 Antibody - Product Information

Application	**WB**
Primary Accession	P08574
Reactivity	**Human, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**35422**

Anti-Cytochrome c1 Antibody - Additional Information

Gene ID 1537

Other Names
Cytochrome c1, heme protein mitochondrial; Complex III subunit 4; Complex III subunit IV; Cytochrome b-c1 complex subunit 4; Ubiquinol-cytochrome-c reductase complex cytochrome c1 subunit; Cytochrome c-1

Target/Specificity
Recognizes endogenous levels of Cytochrome c1 protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Cytochrome c1 Antibody - Protein Information

Name CYC1

Function
Component of the ubiquinol-cytochrome c oxidoreductase, a multisubunit transmembrane complex that is part of the mitochondrial electron transport chain which drives oxidative phosphorylation. The respiratory chain contains 3 multisubunit complexes succinate dehydrogenase (complex II, CII), ubiquinol-cytochrome c oxidoreductase (cytochrome b-c1 complex, complex III, CIII) and cytochrome c oxidase (complex IV, CIV), that cooperate to transfer electrons derived from NADH and succinate to molecular oxygen, creating an electrochemical gradient over the inner membrane that drives transmembrane transport and the ATP synthase. The cytochrome b-c1 complex catalyzes electron transfer from ubiquinol to cytochrome c, linking

this redox reaction to translocation of protons across the mitochondrial inner membrane, with protons being carried across the membrane as hydrogens on the quinol. In the process called Q cycle, 2 protons are consumed from the matrix, 4 protons are released into the intermembrane space and 2 electrons are passed to cytochrome c. Cytochrome c1 is a catalytic core subunit containing a c-type heme. It transfers electrons from the [2Fe-2S] iron-sulfur cluster of the Rieske protein to cytochrome c.

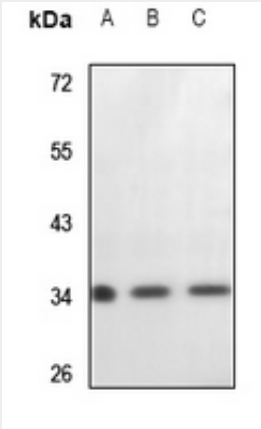
Cellular Location
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P07143}; Single-pass membrane protein {ECO:0000250|UniProtKB:P07143}

Anti-Cytochrome c1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Cytochrome c1 Antibody - Images



Western blot analysis of Cytochrome c1 expression in LO2 (A), A549 (B), MCF7 (C) whole cell lysates.

Anti-Cytochrome c1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cytochrome c1. The exact sequence is proprietary.