

Datasheet for ABIN7149115

## **anti-UQCRFS1 antibody (AA 79-274) (Biotin)**



[Go to Product page](#)

### Overview

|                      |                                               |
|----------------------|-----------------------------------------------|
| Quantity:            | 100 µg                                        |
| Target:              | UQCRFS1                                       |
| Binding Specificity: | AA 79-274                                     |
| Reactivity:          | Human                                         |
| Host:                | Rabbit                                        |
| Clonality:           | Polyclonal                                    |
| Conjugate:           | This UQCRFS1 antibody is conjugated to Biotin |
| Application:         | ELISA                                         |

### Product Details

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant Human Cytochrome b-c1 complex subunit Rieske, mitochondrial protein (79-274AA) |
| Isotype:          | IgG                                                                                        |
| Cross-Reactivity: | Human                                                                                      |
| Purification:     | >95%, Protein G purified                                                                   |

### Target Details

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| Target:           | UQCRFS1                                                                             |
| Alternative Name: | UQCRFS1 ( <a href="#">UQCRFS1 Products</a> )                                        |
| Background:       | Background: Cytochrome b-c1 complex subunit Rieske, mitochondrial: Component of the |

## Target Details

mitochondrial ubiquinol-cytochrome c reductase complex dimer (complex III dimer), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis (PubMed:28673544). Incorporation of UQCRFS1 is the penultimate step in complex III assembly (PubMed:28673544). Cytochrome b-c1 complex subunit 9: Possible component of the mitochondrial ubiquinol-cytochrome c reductase complex dimer (complex III dimer), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis (PubMed:28673544). UQCRFS1 undergoes proteolytic processing once it is incorporated in the complex III dimer, including this fragment, called subunit 9, which corresponds to the transit peptide (PubMed:28673544). The proteolytic processing is necessary for the correct insertion of UQCRFS1 in the complex III dimer, but the persistence of UQCRFS1-derived fragments may prevent newly imported UQCRFS1 to be processed and assembled into complex III and is detrimental for the complex III structure and function (PubMed:28673544). It is therefore unsure whether the UQCRFS1 fragments, including this fragment, are structural subunits (PubMed:28673544).

Aliases: Complex III subunit 5 antibody, Complex III subunit IX antibody, Cytochrome b c1 complex subunit Rieske mitochondrial antibody, Cytochrome b-c1 complex subunit 11 antibody, Cytochrome b-c1 complex subunit 5 antibody, Cytochrome b6f complex iron sulfur subunit, chloroplastic antibody, petC antibody, PGR1 antibody, Plastohydroquinone:plastocyanin oxidoreductase iron sulfur protein antibody, Proton gradient regulation protein 1 antibody, Rieske iron sulfur protein antibody, Rieske iron-sulfur protein antibody, RIP1 antibody, RIS1 antibody, RISP antibody, Ubiquinol cytochrome C reductase rieske iron sulphur antibody, Ubiquinol cytochrome c reductase Rieske iron-sulfur polypeptide 1 antibody, Ubiquinol-cytochrome c reductase 8 kDa protein antibody, Ubiquinol-cytochrome c reductase iron-sulfur subunit antibody, UCRI\_HUMAN antibody, UQCR5 antibody, UQCRFS1 antibody

UniProt: [P47985](#)

Pathways: [Proton Transport](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

## Handling

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|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Buffer:            | Preservative: 0.03 % Proclin 300<br>Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4                                |
| Preservative:      | ProClin                                                                                                           |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C,-80 °C                                                                                                     |
| Storage Comment:   | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                     |