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Datasheet for ABIN7149117  
**anti-UQCRFS1 antibody (AA 79-274) (HRP)**

### Overview

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

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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

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UniProt: [P47985](#)

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Pathways: [Proton Transport](#)

## Application Details

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

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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## Handling

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Buffer:	Preservative: 0.03 % Proclin 300 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.