Product Data Sheet:
UQCRFS1 Rabbit Polyclonal Antibody

Cat. No:	AB-84443
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 141-274 of human UQCRFS1.
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot: 1:500 - 1:2000 Immunocytochemistry 1:50 - 1:200
Molecular Weight:	23KDa
Purification:	Affinity purification
Synonyms:	UQCRFS1;RIP1;RIS1;RISP;UQCR5
Background:	[Cytochrome b-c1 complex subunit Rieske, mitochondrial]: Component of the ubiquinolcytochrome 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. The Rieske protein is a catalytic core subunit containing a [2Fe-2S] ironsulfur cluster. It cycles between 2 conformational states during catalysis to transfer electrons from the quinol bound in the Q(0 site in cytochrome b to cytochrome c1 (By similarity. Incorporation of UQCRFS1 is the penultimate step in complex III assembly.
Form:	Liquid
Buffer:	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.

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