ARG44340
anti-UQCRQ antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UQCRQ
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UQCRQ
Species	Human
Immunogen	Human UQCRQ recombinant fusion protein (a.a. sequence: 1-82).
Conjugation	Un-conjugated
Alternate Names	UQCRQ; Ubiquinol-Cytochrome C Reductase Complex III Subunit VII; Complex III Subunit 8; UQCR7; QP-C; QCR8; Ubiquinol-Cytochrome C Reductase Complex Ubiquinone-Binding Protein QP-C; Ubiquinol-Cytochrome C Reductase, Complex III Subunit VII, 9.5kDa; Ubiquinol-Cytochrome C Reductase Complex 9.5 KDa Protein; Cytochrome B-C1 Complex Subunit 8; Complex III Subunit VIII; Ubiquinol-Cytochrome C Reductase, Complex III Subunit VII; Low Molecular Mass Ubiquinone-Binding Protein (9.5kD); MC3DN4; QPC

Application Instructions

Application table

Application	Dilution
WB	1:1000 - 1:4000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

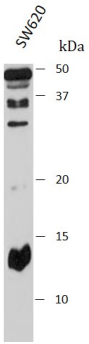
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.02% sodium azide and 50% Glycerol.
Preservative	0.02% sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

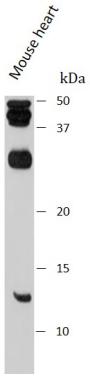
Gene Symbol	UQCRQ
Gene Full Name	Ubiquinol-Cytochrome C Reductase Complex III Subunit VII
Background	This gene encodes a ubiquinone-binding protein of low molecular mass. This protein is a small core-associated protein and a subunit of ubiquinol-cytochrome c reductase complex III, which is part of the mitochondrial respiratory chain.
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.
Calculated Mw	9 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Membrane, Mitochondrion, Mitochondrion inner membrane

Images



ARG44340 anti-UQCRQ antibody WB image

Western blot: SW620 stained with ARG44340 anti-UQCRQ antibody at 1:500 dilution.



ARG44340 anti-UQCRQ antibody WB image

Western blot: Mouse heart stained with ARG44340 anti-UQCRQ antibody at 1:500 dilution.