

ARG67122 anti-UQCRQ antibody

Package: 100 µl

Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UQCRQ
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UQCRQ
Species	Human
Immunogen	Human UQCRQ synthesized peptide
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
	IHC-P	50-200

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

Properties

Form	Liquid
Purification	Purified by antigen-affinity chromatography.
Buffer	PBS (pH 7.4), 0.02% Sodium azide, 0.5% BSA and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA and 50% Glycerol
Concentration	1 mg/ml
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 or below. 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.

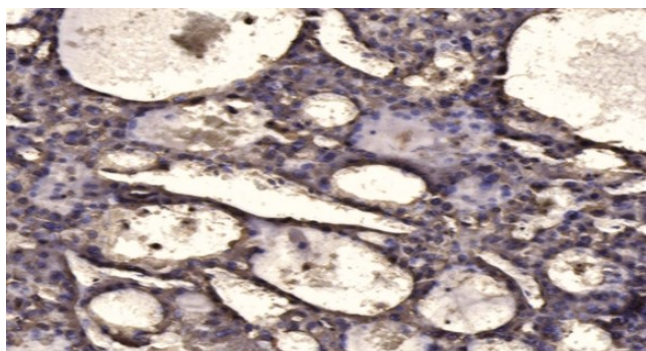
Note

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



ARG67122 anti-UQCRQ antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG67122 anti-UQCRQ antibody at 1:200 dilution.