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Anti-UQCRQ Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17929

Product Information

Application	WB, IHC-P, E
Primary Accession	O14949
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	9906

Additional Information

Gene ID	27089
Alias Symbol	UQCRQ
Other Names	UQCRQ, Complex III subunit VIII, Complex III subunit 8, QP-C, QCR8, UQCR7, QPC
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-UQCRQ Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UQCRQ
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.

Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:P08525}; Single-pass membrane protein {ECO:0000250|UniProtKB:P08525}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.