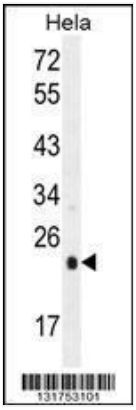
UQCRFS1 Antibody – Rabbit Polyclonal

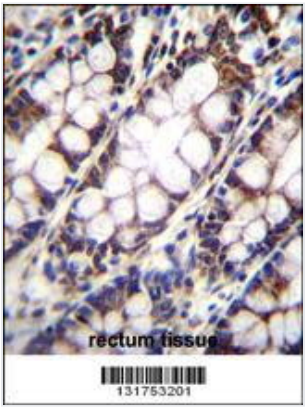
PRODUCT OVERVIEW

Product Name	UQCRFS1, Polyclonal Antibody
Full Product Name	UQCRFS1, CT (UQCRFS1, Cytochrome b-c1 complex subunit Rieske, mitochondrial, Complex III subunit 5, Cytochrome b-c1 complex subunit 5, Rieske iron-sulfur protein, Ubiquinol-cytochrome c reductase iron-sulfur subunit, Cytochrome b-c1 complex subunit 11, Co
Product Gene Name	anti-UQCRFS1 antibody
Product Synonym Names	Anti -UQCRFS1, CT (UQCRFS1, Cytochrome b-c1 complex subunit Rieske, mitochondrial, Complex III subunit 5, Cytochrome b-c1 complex subunit 5, Rieske iron-sulfur protein, Ubiquinol-cytochrome c reductase iron-sulfur subunit, Cytochrome b-c1 complex subunit 11, Co
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	29,668 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (29698167..29704136, complement). Location: 19q12
OMIM	191327
3D Structure	ModBase 3D Structure for P47985
Immunogen	UQCRFS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-217 amino acids from the C-terminal region of human UQCRFS1.
Product Categories/Family for anti-UQCRFS1 antibody	Antibodies; Abs to Enzymes; Cytochrome
Applications Tested/Suitable for anti-UQCRFS1 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS), Immunofluorescence (IF)
Application Notes for anti-UQCRFS1 antibody	Suitable for use in Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Immunohistochemistry: 1:10-50 Flow Cytometry: 1:10-50 Immunofluorescence: 1:10-50
Related Product Information for anti-UQCRFS1 antibody	Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis. The transit peptide of the Rieske protein seems to form part of the bc1 complex and is considered to be the subunit 11/IX of that complex (By similarity).

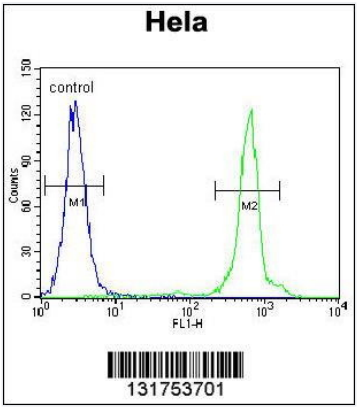
Other Notes	Small volumes of anti-UQCRFS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for UQCRFS1 purchase	MBS6006070 is an antibody targeting UQCRFS1. Also known as UQCRFS1, CT (UQCRFS1, Cytochrome b-c1 complex subunit Rieske, mitochondrial, Complex III subunit 5, Cytochrome b-c1 complex subunit 5, Rieske iron-sulfur protein, Ubiquinol-cytochrome c reductase iron-sulfur subunit, Cytochrome b-c1 complex subunit 11, Co. Reactive in Human. Host: Rabbit.



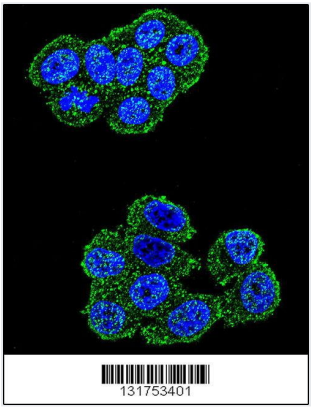
Western Blot (WB) of anti-UQCRFS1 antibody
UQCRFS1 Antibody (C-term) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the UQCRFS1 antibody detected the UQCRFS1 protein (arrow).



Immunohistochemistry (IHC) of anti-UQCRFS1 antibody
UQCRFS1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of UQCRFS1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-UQCRFS1 antibody
UQCRFS1 Antibody (C-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence (IF) of anti-UQCRFS1 antibody
Confocal immunofluorescent analysis of UQCRFS1 Antibody (C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UQCRFS1. It may not necessarily be applicable to this product.

NCBI GI #	5042402
NCBI GeneID	7386
NCBI Accession #	AAD38242.1
UniProt Primary Accession #	P47985
UniProt Secondary Accession #	Q6NVX5; Q9UPH2; A8K519
UniProt Related Accession #	P47985
NCBI Official Full Name	UCRI_HUMAN

NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
NCBI Official Symbol	UQCRFS1
NCBI Official Synonym Symbols	RIP1; RIS1; RISP; UQCR5
UniProt Protein Name	Cytochrome b-c1 complex subunit Rieske, mitochondrial
UniProt Synonym Protein Names	Complex III subunit 5; Cytochrome b-c1 complex subunit 5; Rieske iron-sulfur protein; RISP; Ubiquinol-cytochrome c reductase iron-sulfur subunitCleaved into the following chain:Cytochrome b-c1 complex subunit 11; Alternative name(s):; Complex III subunit IX; Ubiquinol-cytochrome c reductase 8 kDa protein
Protein Family	Cytochrome b-c1 complex
UniProt Gene Name	UQCRFS1
UniProt Synonym Gene Names	RISP
UniProt Entry Name	UCRI_HUMAN
NCBI Protein Information	cytochrome b-c1 complex subunit Rieske, mitochondrial; complex III subunit 5; Rieske iron-sulfur protein; cytochrome b-c1 complex subunit 5; ubiquinol-cytochrome c reductase iron-sulfur subunit
UniProt Comments for UQCRFS1	UQCRFS1: Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis. Protein type: Oxidoreductase; Energy Metabolism - oxidative phosphorylation; Mitochondrial; EC 1.10.2.2 Chromosomal Location of Human Ortholog: 19q12 Cellular Component: mitochondrion; mitochondrial inner membrane; mitochondrial respiratory chain complex III Molecular Function: 2 iron, 2 sulfur cluster binding; metal ion binding; ubiquinol-cytochrome-c reductase activity; protein complex binding Biological Process: response to drug; response to antibiotic; cellular metabolic process; response to hormone stimulus
Research Articles on UQCRFS1	**1.** UQCRFS1/RISP knockdown in breast tumor cell line led to decreased mitochondrial membrane potential as well as a decrease in matrigel invasion.
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