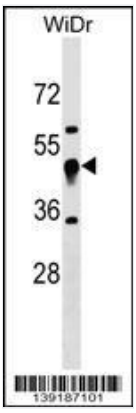
UQCRC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UQCRC1, Polyclonal Antibody
Full Product Name	UQCRC1, NT (UQCRC1, Cytochrome b-c1 complex subunit 1, mitochondrial, Complex III subunit 1, Core protein I, Ubiquinol-cytochrome-c reductase complex core protein 1) (Biotin)
Product Gene Name	anti-UQCRC1 antibody
Product Synonym Names	UQCRC1; Cytochrome b-c1 complex subunit 1, mitochondrial; Complex III subunit 1; Core protein I; Ubiquinol-cytochrome-c reductase complex core protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	52,646 Da
OMIM	191328
3D Structure	ModBase 3D Structure for P31930
Immunogen	UQCRC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 141-170 amino acids from the N-terminal region of human UQCRC1.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-UQCRC1 antibody	Antibodies; Enzymes; Cytochrome
Applications Tested/Suitable for anti-UQCRC1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-UQCRC1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-UQCRC1 antibody	This is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is part of the mitochondrial respiratory chain. This protein may mediate formation of the complex between cytochromes c and c1.
Product References and Citations for anti-UQCRC1 antibody	Martins-de-Souza, D., et al. J Psychiatr Res 43(11):978-986(2009). Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009). Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007): Kulawiec, M., et al. Cancer Biol. Ther. 5(8):967-975(2006). Aboulaich, N., et al. Biochem. J. 383 (PT 2), 237-248 (2004).
Other Notes	Small volumes of anti-UQCRC1 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 UQCRC1 purchase	MBS6361698 is an antibody targeting UQCRC1. Also known as UQCRC1, NT (UQCRC1, Cytochrome b-c1 complex subunit 1, mitochondrial, Complex III subunit 1, Core protein I, Ubiquinol-cytochrome-c reductase complex core protein 1) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-UQCRC1 antibody
UQCRC1 Antibody (N-term) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the UQCRC1 antibody detected the UQCRC1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UQCRC1. It may not necessarily be applicable to this product.

NCBI GI #	46593007
NCBI GeneID	7384
NCBI Accession #	NP_003356.2
UniProt Primary Accession #	P31930
UniProt Secondary Accession #	Q96DD2; B2R7R8
UniProt Related Accession #	P31930
GenBank Nucleotide #	NM_003365.2
NCBI Official Full Name	cytochrome b-c1 complex subunit 1, mitochondrial
NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase core protein I
NCBI Official Symbol	UQCRC1
NCBI Official Synonym Symbols	QCR1; UQCR1; D3S3191
UniProt Protein Name	Cytochrome b-c1 complex subunit 1, mitochondrial
UniProt Synonym Protein Names	Complex III subunit 1; Core protein I; Ubiquinol-cytochrome-c reductase complex core protein 1
UniProt Gene Name	UQCRC1
UniProt Entry Name	QCR1_HUMAN
NCBI Protein Information	cytochrome b-c1 complex subunit 1, mitochondrial; complex III subunit 1; core protein I; ubiquinol-cytochrome-c reductase complex core protein 1

UniProt Comments for UQCRC1	UQCRC1: This is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is part of the mitochondrial respiratory chain. This protein may mediate formation of the complex between cytochromes c and c1. Belongs to the peptidase M16 family. UQCRC1/QCR1 subfamily. Protein type: EC 1.10.2.2; Mitochondrial; Energy Metabolism - oxidative phosphorylation; Oxidoreductase Chromosomal Location of Human Ortholog: 3p21.3 Cellular Component: mitochondrion; mitochondrial inner membrane; mitochondrial respiratory chain complex III; mitochondrial respiratory chain Molecular Function: metal ion binding; ubiquinol-cytochrome-c reductase activity; protein complex binding Biological Process: response to alkaloid; cellular metabolic process; aerobic respiration; response to activity; oxidative phosphorylation; mitochondrial electron transport, ubiquinol to cytochrome c
Research Articles on UQCRC1	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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