

Product Name: KD-Validated UQCRC2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00889**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 48.4kDa

Antigen Information

Gene Name	UQCRC2
Alternative Names	UQCRC2; Ubiquinol-Cytochrome C Reductase Core Protein 2; UQCR2; QCR2; Ubiquinol-Cytochrome-C Reductase Complex Core Protein 2; Ubiquinol-Cytochrome C Reductase Core Protein II; Cytochrome B-C1 Complex Subunit 2, Mitochondrial; Complex III Subunit; Cytochrome Bc-1 Complex Core Protein II; Core Protein II; MC3DN5
Gene ID	7385.0
SwissProt ID	P22695
Immunogen	A synthesized peptide derived from human UQCRC2

Background

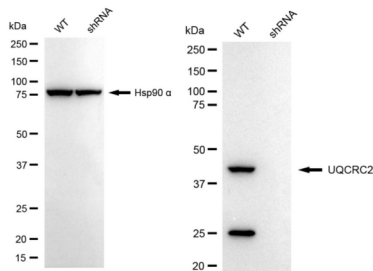
The protein encoded by this gene is located in the mitochondrion, where it is part of the ubiquinol-cytochrome c reductase

complex (also known as complex III). This complex constitutes a part of the mitochondrial respiratory chain. Defects in this gene are a cause of mitochondrial complex III deficiency nuclear type 5. [provided by RefSeq, Jul 2015]

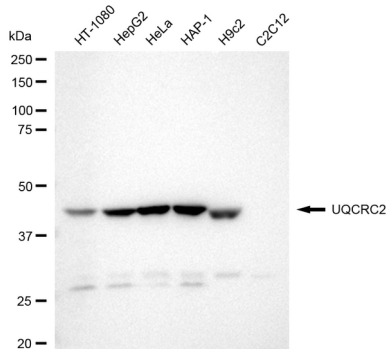
Research Area

Signal Transduction, Cancer, Metabolism

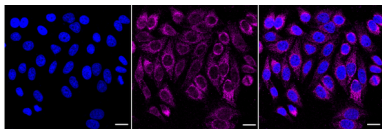
Image Data



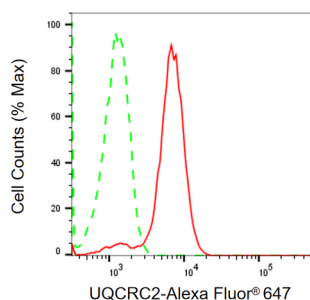
Western blotting analysis using UQCRC2 antibody (KVA00889). UQCRC2 expression in wild type (WT) and UQCRC2 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with UQCRC2 antibody (KVA00889, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using UQCRC2 antibody (KVA00889). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UQCRC2 antibody (KVA00889, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with UQCRC2 antibody (KVA00889, 1:1,000). Nuclei were stained blue with DAPI; UQCRC2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of UQCRC2 expression in HepG2 cells using UQCRC2 antibody (KVA00889, 1:2,000). Green, isotype control; red, UQCRC2.