

Product Name: KD-Validated UQCRFS1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00846

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,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: 29.7kDa

Antigen Information

Gene Name	UQCRFS1 UQCRFS1; Ubiquinol-Cytochrome C Reductase, Rieske Iron-Sulfur Polypeptide 1; RISP; Cytochrome B-C1 Complex Subunit 5; UQCR5; RIS1; RIP1; Cytochrome B-C1 Complex
Alternative Names	Subunit Rieske, Mitochondrial; Ubiquinol-Cytochrome C Reductase Iron-Sulfur Subunit; Rieske Iron-Sulfur Protein; Rieske Protein UQCRFS1; Complex III Subunit 5; Epididymis Secretory Sperm Binding Protein; EC 1.10.2.2; EC 7.1.1.8; MC3DN10
Gene ID	7386.0
SwissProt ID	P47985
Immunogen	A synthesized peptide derived from human UQCRFS1

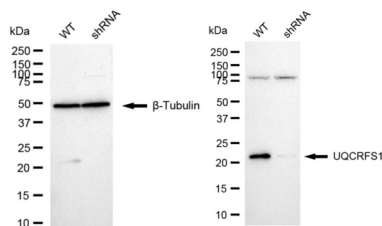
Background

Predicted to enable oxidoreductase activity. Involved in mitochondrial respiratory chain complex III assembly and respiratory electron transport chain. Located in mitochondrion. Part of respiratory chain complex III. Implicated in mitochondrial complex III deficiency. [provided by Alliance of Genome Resources, Jul 2025]

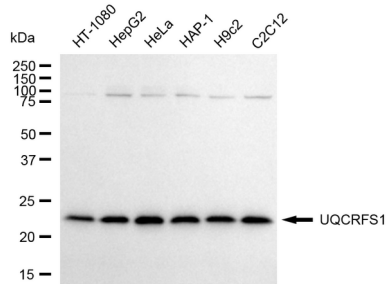
Research Area

Microbiology, Signal Transduction, Cell Biology, Cancer, Metabolism

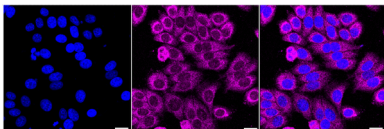
Image Data



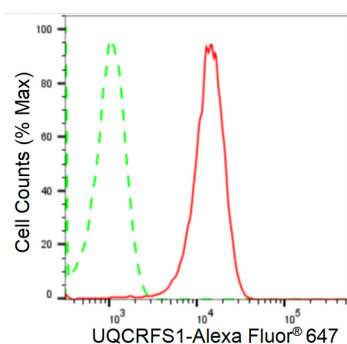
Western blotting analysis using UQCRRS1 antibody (KVA00846). UQCRRS1 expression in wild type (WT) and UQCRRS1 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with UQCRRS1 antibody (KVA00846, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using UQCRRS1 antibody (KVA00846). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UQCRRS1 antibody (KVA00846, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with UQCRRS1 antibody (KVA00846, 1:1,000). Nuclei were stained blue with DAPI; UQCRRS1 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 UQCRRS1 expression in HepG2 cells using UQCRRS1 antibody (KVA00846, 1:2,000). Green, isotype control; red, UQCRRS1.