

Product Name: KD-Validated UQCRC1 Mouse Monoclonal Antibody**Catalog #: KVA00280**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:400-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 52.6kDa

Antigen Information

Gene Name	UQCRC1
Alternative Names	UQCRC1; Ubiquinol-Cytochrome C Reductase Core Protein 1; D3S3191; UQCR1; QCR1; Ubiquinol-Cytochrome-C Reductase Complex Core Protein 1; Cytochrome B-C1 Complex Subunit 1, Mitochondrial; Ubiquinol-Cytochrome C Reductase Core Protein I; Complex III Subunit 1; Core Protein I; PKNPY
Gene ID	7384.0
SwissProt ID	P31930
Immunogen	Recombinant protein of human UQCRC1

Background

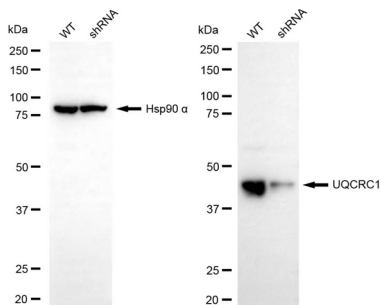
Enables ubiquitin protein ligase binding activity. Predicted to be involved in oxidative phosphorylation. Predicted to act

upstream of or within mitochondrial electron transport, ubiquinol to cytochrome c. Located in mitochondrial inner membrane. Implicated in Alzheimer's disease. Biomarker of Alzheimer's disease. [provided by Alliance of Genome Resources, Apr 2025]

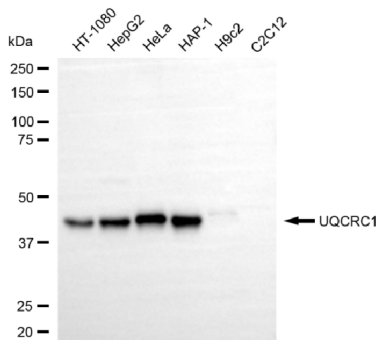
Research Area

Tags & Cell Markers, Signal Transduction, Metabolism

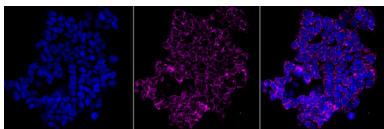
Image Data



Western blotting analysis using UQCRC1 antibody (KVA00280). UQCRC1 expression in wild-type (WT) and UQCRC1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with UQCRC1 antibody (KVA00280, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using UQCRC1 antibody (KVA00280). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UQCRC1 antibody (KVA00280, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with UQCRC1 antibody (KVA00280, 1:1,000). Nuclei were stained blue with DAPI; UQCRC1 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.