

[KD Validated] UQCRC1 Rabbit mAb

Catalog No.: A26343 **Recombinant** **1 Publications**

Basic Information

Observed MW

53kDa

Calculated MW

53kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC68138


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 mitochondrion. Implicated in Alzheimer's disease. Biomarker of Alzheimer's disease.

Recommended Dilutions

WB	1:2000 - 1:12000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 400µg-800µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID

7384

Swiss Prot

P31930

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

QCR1; PKNPY; UQCR1; D3S3191

Product Information

Source

Rabbit

Isotype

IgG

Purification

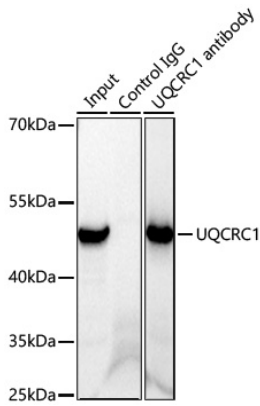
Affinity purification

Storage

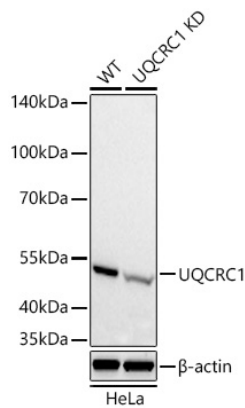
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

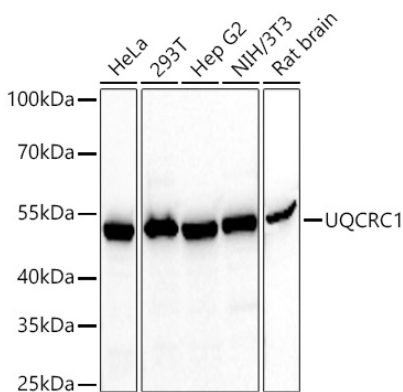
Validation Data



Immunoprecipitation of UQCRC1 from 600 µg extracts of Mouse liver tissue was performed using 1 µg of [KD Validated] UQCRC1 Rabbit mAb (A26343). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KD Validated] UQCRC1 Rabbit mAb (A26343) at a dilution of 1:1000.

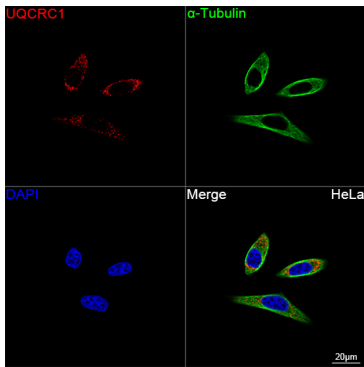


Western blot analysis of lysates from wild type (WT) and UQCRC1 knockdown (KD) HeLa cells using [KD Validated] UQCRC1 Rabbit mAb (A26343) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

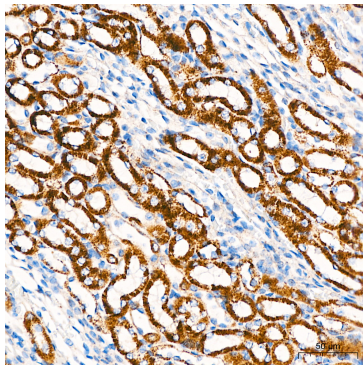


Western blot analysis of various lysates using [KD Validated] UQCRC1 Rabbit mAb (A26343) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

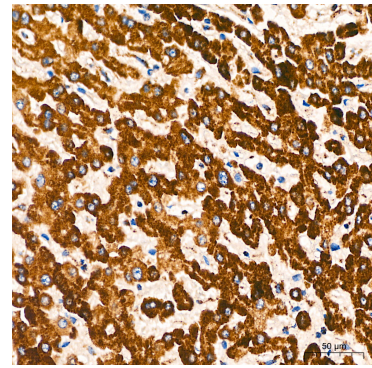
Validation Data



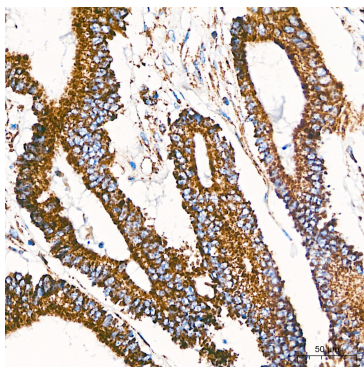
Confocal imaging of HeLa cells using [KD Validated] UQCRC1 Rabbit mAb (A26343, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using [KD Validated] UQCRC1 Rabbit mAb (A26343) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using [KD Validated] UQCRC1 Rabbit mAb (A26343) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KD Validated] UQCRC1 Rabbit mAb (A26343) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.