

For Research Use Only

# UQCQRQ Polyclonal antibody

Catalog Number: 14975-1-AP

Featured Product

9 Publications



## Basic Information

**Catalog Number:**

14975-1-AP

**Size:**

650 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6886

**GenBank Accession Number:**

BC001390

**GeneID (NCBI):**

27089

**UNIPROT ID:**

O14949

**Full Name:**

ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa

**Calculated MW:**

10 kDa

**Observed MW:**

10 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HepG2 cells, human liver tissue

**IP:** HepG2 cells,

**IHC:** human liver cancer tissue,

**IF:** HepG2 cells,

## Background Information

UQCQRQ (Cytochrome b-c1 complex subunit 8) belongs to the UQCQRQ/QCR8 family. UQCQRQ is a ubiquinone-binding protein localized to the cytochrome bc1 region of the mitochondrial respiratory chain. The deduced 110-amino acid protein has a relatively hydrophobic and basic N-terminal region, an aspartic acid-rich middle region, and a glutamic acid- and lysine-rich C-terminal region.

## Notable Publications

Author	Pubmed ID	Journal	Application
Flora Cozzolino	32886703	PLoS One	WB
Isabel Carrascoso	34884582	Int J Mol Sci	WB
Yuehong Wang	28518143	Cell Death Dis	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

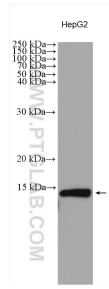
T: 4006900926

E: Proteintech-CN@ptglab.com

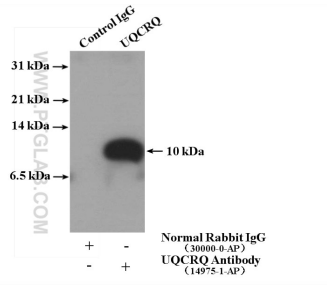
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

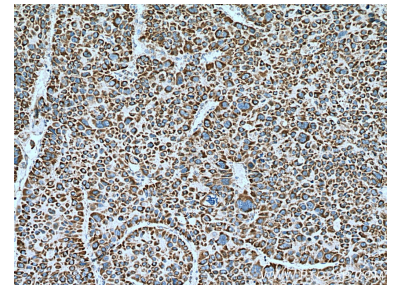
## Selected Validation Data



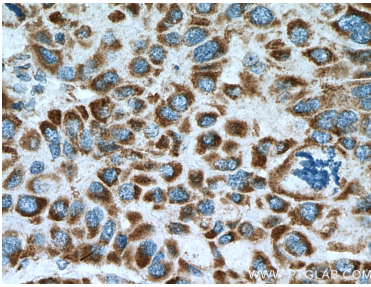
HepG2 cells were subjected to SDS PAGE followed by western blot with 14975-1-AP (UQCRQ antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



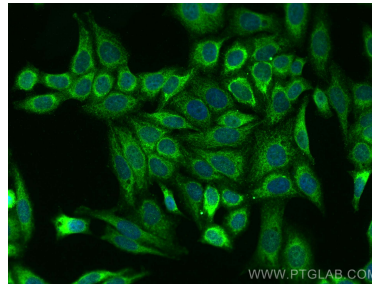
IP result of anti-UQCRQ (IP:14975-1-AP, 4ug; Detection:14975-1-AP 1:1000) with HepG2 cells lysate 3360 ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14975-1-AP (UQCRQ antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14975-1-AP (UQCRQ antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using UQCRQ antibody (14975-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).