

For Research Use Only

UQCQRQ Polyclonal antibody

Catalog Number: 14975-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

14975-1-AP

Size:

150ul, Concentration: 650 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6886

GenBank Accession Number:

BC001390

GeneID (NCBI):

27089

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 ug for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB : HepG2 cells, human liver tissue

IP : HepG2 cells,

IHC : human liver cancer tissue,

IF : HepG2 cells,

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

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

*** 20ul sizes contain 0.1% BSA

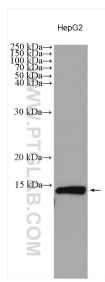
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

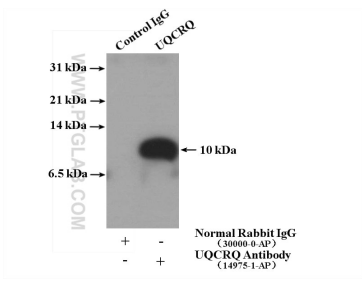
E: proteintech@ptglab.com
W: ptglab.com

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

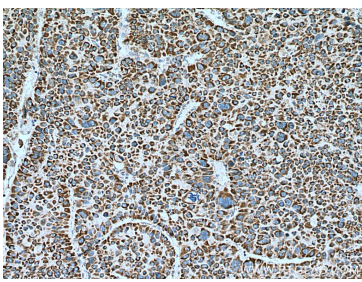
Selected Validation Data



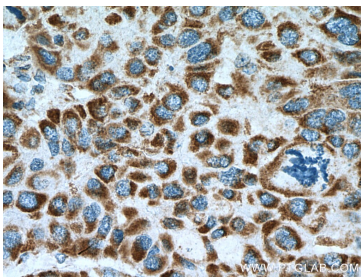
HepG2 cells were subjected to SDS PAGE followed by western blot with 14975-1-AP (UQCRQ antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



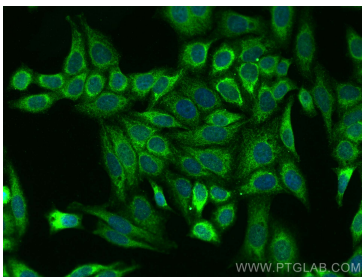
IP result of anti-UQCRQ (IP:14975-1-AP, 4ug; Detection:14975-1-AP 1:1000) with HepG2 cells lysate 3360 ug.



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).