

For Research Use Only

UQCRC1 Polyclonal antibody

Catalog Number: 21705-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

21705-1-AP

Size:

150UL, Concentration: 147 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16322

GenBank Accession Number:

BC009586

GeneID (NCBI):

7384

Full Name:

ubiquinol-cytochrome c reductase core protein I

Calculated MW:

480 aa, 53 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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: human brain tissue, mouse large intestine tissue, mouse skeletal muscle tissue, HeLa cells, mouse liver tissue, MCF-7 cells, L02 cells, mouse spleen tissue, mouse brain tissue, human skeletal muscle tissue, HepG2 cells, human heart tissue, mouse kidney tissue

IP: HeLa cells,

IHC: human heart tissue, human liver tissue

IF: HepG2 cells,

Background Information

UQCRC1(Cytochrome b-c1 complex subunit 1, mitochondrial), also named as QCR1 and UQCR1, is a ubunit of the cytochrome bc1 complex (complex III) of the mitochondrial respiratory chain, may mediate the formation of the complex between cytochromes c and c1. The gene encodes a 53 kDa protein with a 34 amino acids transit peptide. It is associated with apoptosis or inhibition of cancer cell growth.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Hong Deng	30315253	Acta Pharmacol Sin	WB
Yan-Qing Ding	33247214	Acta Pharmacol Sin	
Wen-Qi Ma	33203874	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

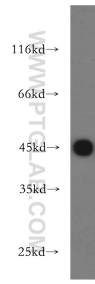
For technical support and original validation data for this product please contact:

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

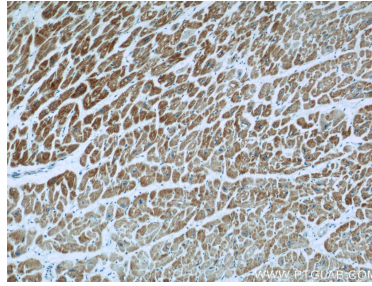
E: proteintech@ptglab.com
W: ptglab.com

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

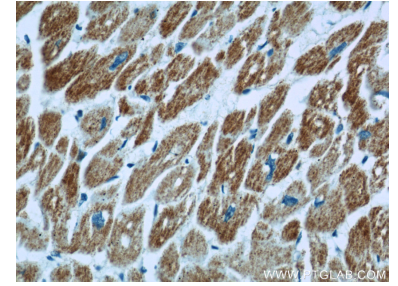
Selected Validation Data



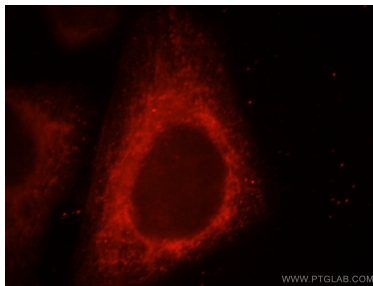
human brain tissue were subjected to SDS PAGE followed by western blot with 21705-1-AP (UQCRC1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



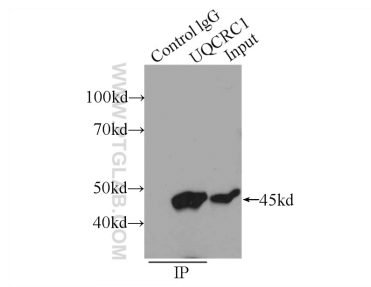
Immunohistochemical analysis of paraffin-embedded human heart using 21705-1-AP (UQCRC1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 21705-1-AP (UQCRC1 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using UQCRC1 antibody 21705-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-UQCRC1 (IP:21705-1-AP, 4ug; Detection:21705-1-AP 1:500) with HeLa cells lysate 1600ug.