

For Research Use Only

# UQCRB Polyclonal antibody

Catalog Number: 10756-1-AP

Featured Product

16 Publications



## Basic Information

### Catalog Number:

10756-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1127

### GenBank Accession Number:

BC005230

### GeneID (NCBI):

7381

### UNIPROT ID:

P14927

### Full Name:

ubiquinol-cytochrome c reductase binding protein

### Calculated MW:

14 kDa

### Observed MW:

14 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : mouse heart tissue, rat heart tissue

IP : mouse heart tissue,

IHC : human breast cancer tissue, human kidney tissue, human ovary tumor tissue

**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

UQCRB(ubiquinol-cytochrome c reductase binding protein) is also named as UQBP, complex III subunit VII and belongs to the UQCRB/QCR7 family. It is a 13.4 kDa subunit of mitochondrial complex III, plays a crucial role in hypoxia-induced angiogenesis via mitochondrial reactive oxygen species (ROS)-mediated signaling(PMID:21215626). This protein has 2 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaowen Xu	36071491	Proteome Sci	WB
Yingyan Han	27239088	Dis Markers	WB
Qing Zhang	35594990	Free Radic Biol Med	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

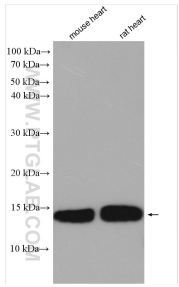
For technical support and original validation data for this product please contact:

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

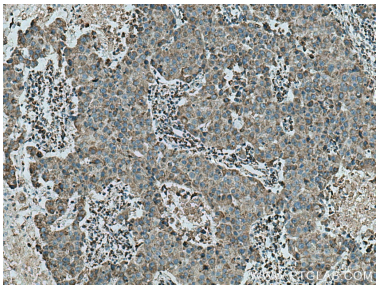
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

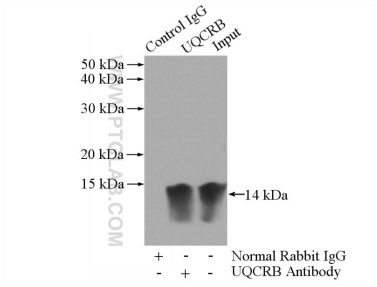
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10756-1-AP (UQCRB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10756-1-AP (UQCRB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-UQCRB (IP:10756-1-AP, 3ug; Detection:10756-1-AP 1:600) with mouse heart tissue lysate 3200ug.