

For Research Use Only

# UQCRFS1 Polyclonal antibody

Catalog Number: 18443-1-AP

Featured Product

33 Publications



## Basic Information

### Catalog Number:

18443-1-AP

### Concentration:

350 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13315

### GenBank Accession Number:

BC010035

### GeneID (NCBI):

7386

### UNIPROT ID:

P47985

### Full Name:

ubiquinol-cytochrome c reductase,  
Rieske iron-sulfur polypeptide 1

### Calculated MW:

30 kDa

### Observed MW:

25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:8000

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

IHC: 1:250-1:1000

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, pig

**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 : MCF-7 cells, mouse heart tissue, rat heart tissue

IP : mouse heart tissue,

IHC : human stomach cancer tissue,

IF/ICC : MCF-7 cells,

## Background Information

The ubiquinol cytochrome c reductase UQCRFS1 is a key subunit of the cytochrome bc1 complex (complex III) of the mitochondrial respiratory chain. The UQCRFS1 gene encode a 30 kDa protein with a transit peptide and it appears to be involved in development of more aggressive phenotype of breast cancer(PMID:15047214). UQCRFS1 is also named as RISP, complex III subunit 5, cytochrome b-c1 complex subunit 5 and rieske iron-sulfur protein. This antibody is specific to UQCRFS1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rufeng Zhang	31530015	FASEB J	WB
Jing Zhang	26492917	EMBO J	WB
Jiaqi Shen	34675764	Front Neurosci	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

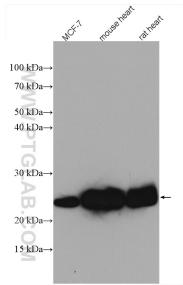
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

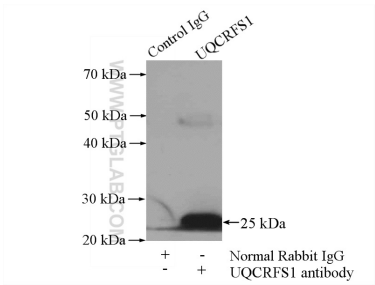
W: [ptgcn.com](http://ptgcn.com)

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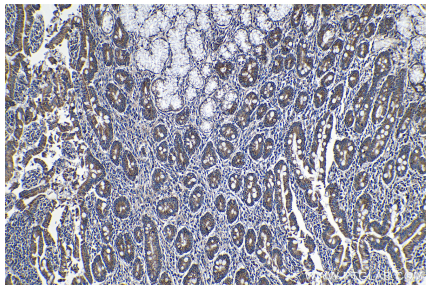
Selected Validation Data



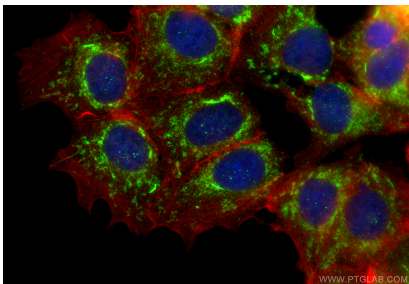
Various lysates were subjected to SDS PAGE followed by western blot with 18443-1-AP (UQCRFS1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-UQCRFS1 (IP:18443-1-AP, 4ug; Detection:18443-1-AP 1:1000) with mouse heart tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 18443-1-AP (UQCRFS1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using UQCRFS1 antibody (18443-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).