

For Research Use Only

UQCRFS1 Polyclonal antibody

Catalog Number: 18443-1-AP

Featured Product

29 Publications



Basic Information

Catalog Number:

18443-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IP, IHC, 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,

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

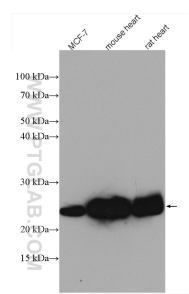
For technical support and original validation data for this product please contact:

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

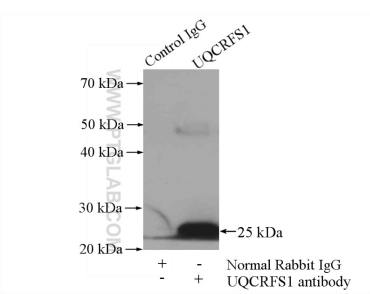
E: proteintech@ptglab.com
W: ptglab.com

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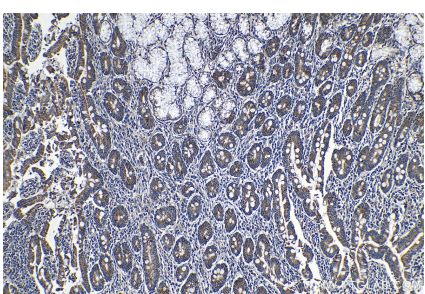
Selected Validation Data



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).