

For Research Use Only

COQ7 Polyclonal antibody

Catalog Number: 15083-1-AP

Featured Product

23 Publications



Basic Information

Catalog Number:

15083-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7161

GenBank Accession Number:

BC003185

GeneID (NCBI):

10229

UNIPROT ID:

Q99807

Full Name:

coenzyme Q7 homolog, ubiquinone (yeast)

Calculated MW:

24 kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

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 : mouse liver tissue, mouse heart tissue

IP : mouse liver tissue,

IHC : human liver cancer tissue,

Background Information

COQ7 (Ubiquinone biosynthesis protein COQ7 homolog) catalyzes the production of coenzyme Q (CoQ) in mitochondria. The predicted protein contains 179 amino acids, is mostly helical, and contains an alpha-helical membrane insertion. It has a potential N-glycosylation site, a phosphorylation site for protein kinase C and another for casein kinase II, and 3 N-myristoylation sites. This protein has 2 isoforms produced by alternative splicing with MW 20-24 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
María Rodríguez-Hidalgo	30228311	Sci Rep	WB
Ying Wang	36176269	MicroPubl Biol	WB
Diran Herebian	29296619	Ann Clin Transl Neurol	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

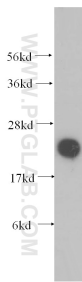
For technical support and original validation data for this product please contact:

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

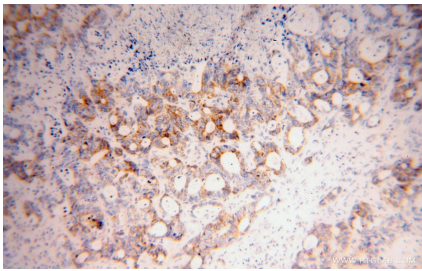
E: proteintech@ptglab.com
W: ptglab.com

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

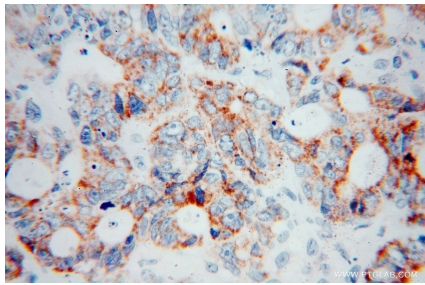
Selected Validation Data



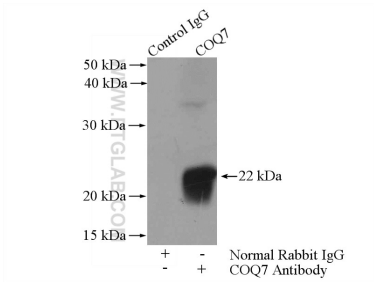
mouse liver tissue were subjected to SDS PAGE followed by western blot with 15083-1-AP (COQ7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer using 15083-1-AP (COQ7 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 15083-1-AP (COQ7 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-COQ7 (IP:15083-1-AP, 4ug; Detection:15083-1-AP 1:500) with mouse liver tissue lysate 6000ug.