

For Research Use Only

COQ7 Polyclonal antibody

Catalog Number: 15083-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

15083-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7161

GenBank Accession Number:

BC003185

GeneID (NCBI):

10229

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 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: mouse liver tissue, mouse heart tissue

IP: mouse liver tissue,

IHC: human liver cancer 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

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

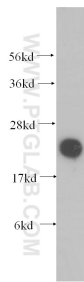
For technical support and original validation data for this product please contact:

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

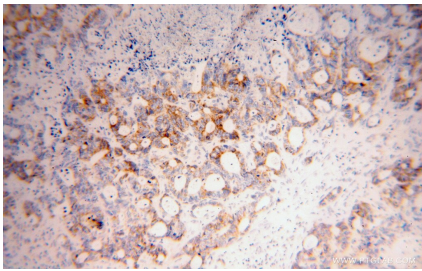
E: proteintech@ptglab.com
W: ptglab.com

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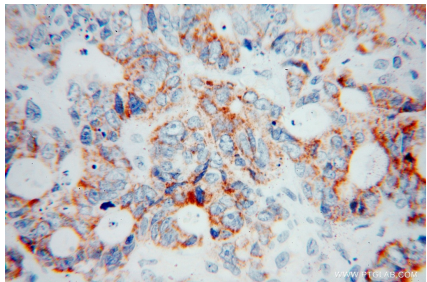
Selected Validation Data



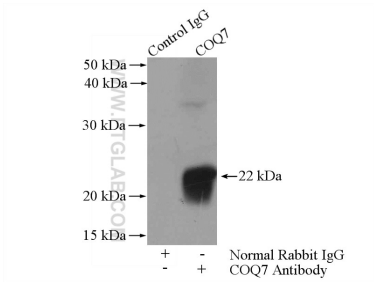
mouse liver tissue were subjected to SDS PAGE followed by western blot with 15083-1-AP (COQ7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.