

For Research Use Only

COQ9 Polyclonal antibody

Catalog Number: 14874-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

14874-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6645

GenBank Accession Number:

BC064946

GeneID (NCBI):

57017

UNIPROT ID:

O75208

Full Name:

coenzyme Q9 homolog (S. cerevisiae)

Calculated MW:

36 kDa

Observed MW:

36 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

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 : HeLa cells, HEK-293 cells, mouse liver tissue, rat liver tissue

IP : HeLa cells,

IHC : human liver cancer tissue,

IF/ICC : A549 cells,

Background Information

COQ9, also named as C16orf49, HSPC326, and PSEC0129, is a 318 amino acid protein, which belongs to the COQ9 family. COQ9 localizes in the Mitochondrion and is involved in the biosynthesis of coenzyme Q. COQ9 has abilities to improve left ventricular performance and to reduce myocardial infarct size and cardiomyocyte apoptosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Lucia Laugwitz	34656997	J Med Genet	WB
Diran Herebian	28552678	Mol Genet Metab	WB
Eugen Widmeier	32381600	J Am Soc Nephrol	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

*** 20ul sizes contain 0.1% BSA

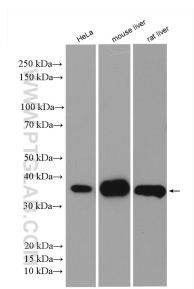
For technical support and original validation data for this product please contact:

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

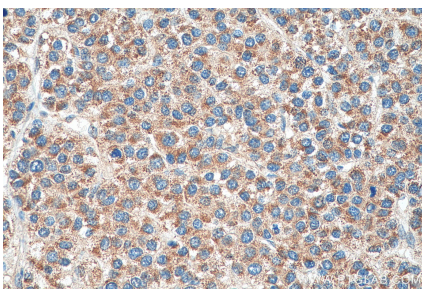
E: proteintech@ptglab.com
W: ptglab.com

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

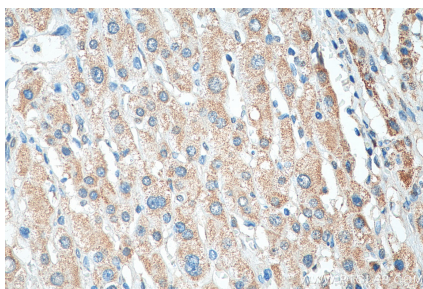
Selected Validation Data



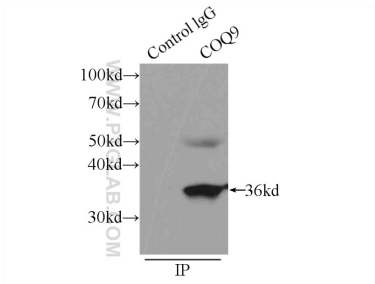
Various lysates were subjected to SDS PAGE followed by western blot with 14874-1-AP (COQ9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



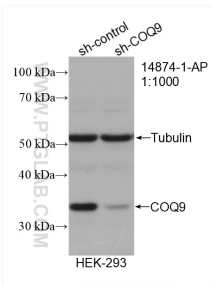
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14874-1-AP (COQ9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



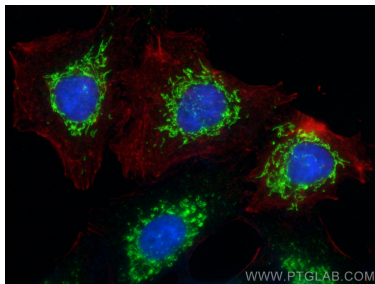
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14874-1-AP (COQ9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-COQ9 (IP:14874-1-AP, 3ug; Detection:14874-1-AP 1:500) with HeLa cells lysate 1840ug.



WB result of COQ9 antibody (14874-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-COQ9 transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using COQ9 antibody (14874-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).