

For Research Use Only

COQ9 Polyclonal antibody

Catalog Number: 14874-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 14874-1-AP	GenBank Accession Number: BC064946	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57017	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000
Source: Rabbit	Full Name: coenzyme Q9 homolog (S. cerevisiae)	for WB IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Calculated MW: 36 kDa	
Immunogen Catalog Number: AG6645	Observed MW: 36 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, mouse liver tissue, rat liver tissue
Cited Applications: IF, WB	IP : HeLa cells,
Species Specificity: human, rat, mouse	IHC : human liver cancer tissue,
Cited Species: human, rat	IF : HepG2 cells,

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

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

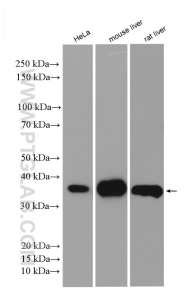
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

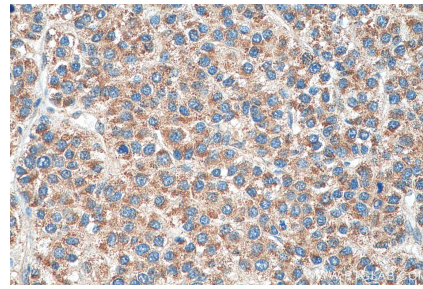
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

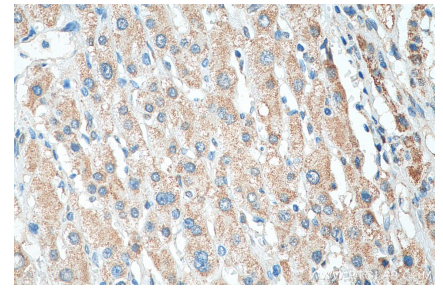
Selected Validation Data



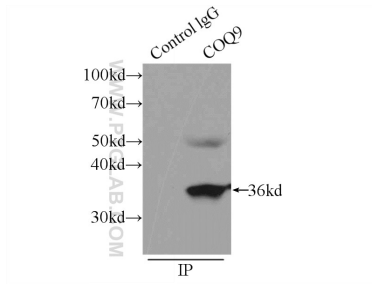
Various lysates were subjected to SDS PAGE followed by western blot with 14874-1-AP (COQ9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



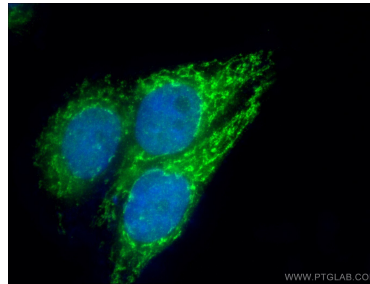
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14874-1-AP (COQ9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



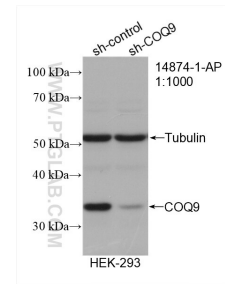
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14874-1-AP (COQ9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 14874-1-AP (COQ9 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.