

For Research Use Only

# COX5B Polyclonal antibody

Catalog Number: 11418-2-AP

Featured Product

17 Publications



## Basic Information

Catalog Number:

11418-2-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1986

GenBank Accession Number:

BC006229

GeneID (NCBI):

1329

UNIPROT ID:

P10606

Full Name:

cytochrome c oxidase subunit Vb

Calculated MW:

129 aa, 14 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:250-1:1000

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, monkey, goat

**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, L02 cells, mouse liver tissue, rat liver tissue

IHC : human liver cancer tissue, human breast cancer tissue

IF/ICC : HeLa cells,

## Background Information

COX5B belongs to the cytochrome c oxidase subunit 5B family. It is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. COX5B and other 3 genes CKB, HBB, MBP are involved in respiration.(PMID:21295140)

## Notable Publications

Author	Pubmed ID	Journal	Application
Weicheng Wu	30237463	Cell Death Dis	WB
Sara Cogliati	27775717	Nature	WB
Ricarda Richter-Dennerlein	27693358	Cell	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

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

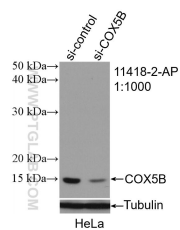
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

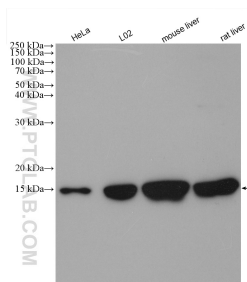
W: [ptgcn.com](http://ptgcn.com)

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

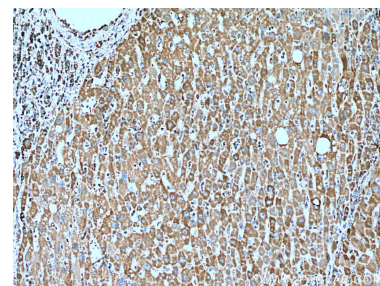
## Selected Validation Data



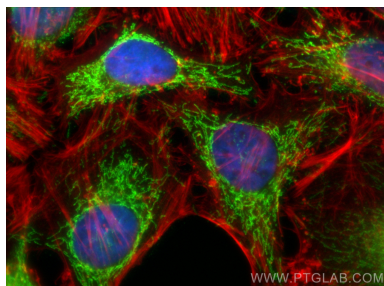
WB result of COX5B antibody (11418-2-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-COX5B transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 11418-2-AP (COX5B 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 11418-2-AP (COX5B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using COX5B antibody (11418-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).