

For Research Use Only

# COXIV Recombinant antibody

Catalog Number: 82916-1-RR



## Basic Information

Catalog Number:

82916-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1640

GenBank Accession Number:

BC021236

GeneID (NCBI):

1327

UNIPROT ID:

P13073

Full Name:

cytochrome c oxidase subunit IV

isoform 1

Calculated MW:

19.6 kDa

Observed MW:

17-18 kDa

Purification Method:

Protein A purification

CloneNo.:

3K20

Recommended Dilutions:

WB 1:5000-1:50000

IF 1:200-1:800

## Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human, Mouse, Rat

Positive Controls:

WB : HeLa cells, mouse skeletal muscle tissue, HepG2 cells, Jurkat cells, A431 cells, rat skeletal muscle tissue, mouse liver tissue

IF : HepG2 cells,

## Background Information

COX4l1, also named as COX4 and COXIV-1, belongs to the cytochrome c oxidase IV family. It is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. COX4l1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4l1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues.

## 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

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

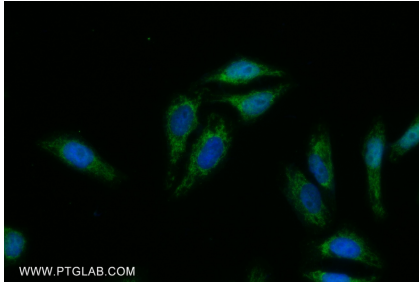
T: 4006900926

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

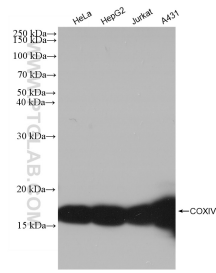
W: [ptgcn.com](http://ptgcn.com)

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

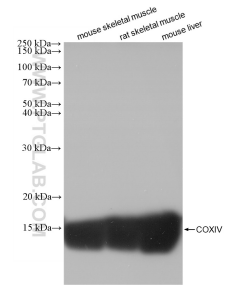
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using COXIV antibody (82916-1-RR, Clone: 3K20) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 82916-1-RR (COXIV antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 82916-1-RR (COXIV antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.