

For Research Use Only

# CoraLite® Plus 555-conjugated COXIV Recombinant monoclonal antibody

Catalog Number: CL555-82916

Featured Product



## Basic Information

**Catalog Number:**

CL555-82916

**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:**

IF/ICC: 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

554 nm / 570 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF/ICC : 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. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

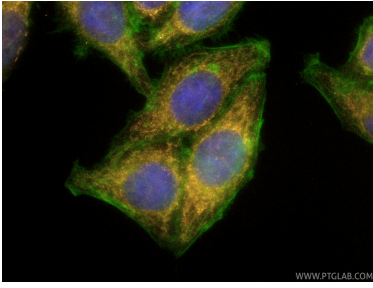
T: 4006900926

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



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 555 COXIV antibody (CL555-82916, Clone: 3K20) at dilution of 1:200, CL488-phalloidin (green).