

For Research Use Only

# CoraLite®594-conjugated COXIV Polyclonal antibody



Catalog Number: CL594-11242

Featured Product

## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>CL594-11242                          | <b>GenBank Accession Number:</b><br>BC021236                   | <b>Purification Method:</b><br>Antigen affinity purification      |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>1327                                  | <b>Recommended Dilutions:</b><br>IF 1:300-1:1200                  |
| <b>Source:</b><br>Rabbit                                       | <b>Full Name:</b><br>cytochrome c oxidase subunit IV isoform 1 | <b>Excitation/Emission maxima wavelengths:</b><br>588 nm / 604 nm |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>19.6 kDa                              |   |
| <b>Immunogen Catalog Number:</b><br>AG1640                     | <b>Observed MW:</b><br>17-18 kDa                               |   |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IF                | <b>Positive Controls:</b><br>IF : HepG2 cells, |
| <b>Species Specificity:</b><br>human, mouse, rat |  |

## 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. COX4l1 is commonly used as a loading control. This antibody was generated against full length COX4l1 protein and cross reacts with COX4l2.

## Storage

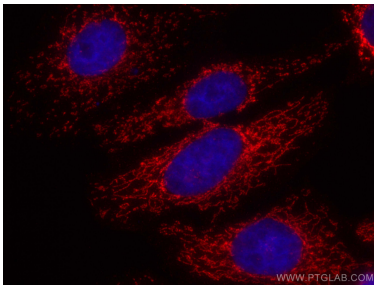
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.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®594 COXIV antibody (CL594-11242) at dilution of 1:600.