

For Research Use Only

# CoraLite®594-conjugated COXIV Polyclonal antibody

Catalog Number:CL594-11242

Featured Product



## Basic Information

Catalog Number:

CL594-11242

Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

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:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:300-1:1200

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

## Background Information

COX4l 1, 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. COX4l 1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4l 1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues. COX4l 1 is commonly used as a loading control. This antibody was generated against full length COX4l 1 protein and cross reacts with COX4l 2.

## 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

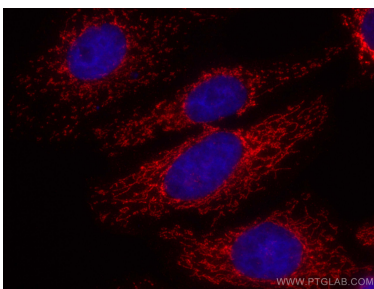
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite®594 COXIV antibody (CL594-11242) at dilution of 1:600.