

For Research Use Only

# CoraLite® Plus 647-conjugated COXIV Polyclonal antibody



Catalog Number: CL647-11242

Featured Product

## Basic Information

Catalog Number:

CL647-11242

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:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

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. 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

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

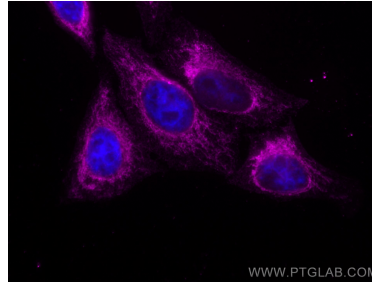
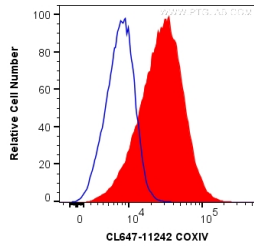
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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Coralite® Plus 647 Anti-Human COXIV (CL647-11242) (red), or 0.2 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 647 COXIV antibody (CL647-11242) at dilution of 1:200.