

For Research Use Only

# CoraLite®647-conjugated COXIV Polyclonal antibody



Catalog Number: CL650-11242

Featured Product

## Basic Information

<b>Catalog Number:</b> CL650-11242	<b>GenBank Accession Number:</b> BC021236	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1327	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> cytochrome c oxidase subunit IV isoform 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 19.6 kDa	
<b>Immunogen Catalog Number:</b> AG1640	<b>Observed MW:</b> 17-18 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## 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 COX4l2.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.

**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 W: ptglab.com

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

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## Selected Validation Data