

For Research Use Only

# CoraLite®647-conjugated MTCO2 Polyclonal antibody



Catalog Number: CL650-55070

Featured Product

1 Publications

## Basic Information

Catalog Number:  
CL650-55070

Size:  
100ul , Concentration: 1000 µg/ml by  
Nanodrop;

Source:  
Rabbit

Isotype:  
IgG

GenBank Accession Number:  
YP\_003024029

GeneID (NCBI):  
4513

Full Name:  
cytochrome c oxidase II

Calculated MW:  
26 kDa

Observed MW:  
23-26 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:  
FC (Intra)

Cited Applications:  
WB

Species Specificity:  
human, mouse, rat

## Background Information

COX2, also named as COII, COXII and MTCO2, belongs to the cytochrome c oxidase subunit 2 family. It is the component of the respiratory chain that catalyzes the reduction of oxygen to water. Subunits 1-3 form the functional core of the enzyme complex. Subunit 2 transfers the electrons from cytochrome c via its binuclear copper A center to the bimetallic center of the catalytic subunit 1. Defects in COX2 are a cause of mitochondrial complex IV deficiency (MT-C4D). The antibody is specific to COX2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Cynthia Silva Bartolomeo	36075471	Life Sci	WB

## 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](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.

