

For Research Use Only

# COXIV Monoclonal antibody

Catalog Number: 60251-1-Ig **7 Publications**



## Basic Information

<b>Catalog Number:</b> 60251-1-Ig	<b>GenBank Accession Number:</b> BC021236	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1327	<b>CloneNo.:</b> 3C7D2
<b>Source:</b> Mouse	<b>Full Name:</b> cytochrome c oxidase subunit IV isoform 1	
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 19.6 kDa	
<b>Immunogen Catalog Number:</b> AG20551	<b>Observed MW:</b> 17-18 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human

**Cited Species:**  
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 is specific to COX4l1 and do not cross reacts with COX4l2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhijiang Chen	35726572	Eur J Histochem	WB,IF
Rebecca J Wilson	34979330	Mol Metab	IHC,IF
Jing Yu	34953210	Biochem Biophys Res Commun	WB,IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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  
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## Selected Validation Data