For Research Use Only

COXIV Monoclonal antibody

Catalog Number:60251-1-Ig 11 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
60251-1-Ig

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG20551

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:
Protein G purification

CloneNo.:
3C7D2

Applications

Tested Applications:
ELISA

Cited Applications:
WB, IF

Species Specificity:
human

Cited Species:
human, mouse, rat

Background Information

COX4I1, 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. COX4I1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4I1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues. COX4I1 is commonly used as a loading control. This antibody is specific to COX4I1 and do not cross reacts with COX4I2.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhijiang Chen	35726572	Eur J Histochem	WB,IF
Bo Zhang	36588386	Autophagy	WB
Yufei Song	29459731	Sci Rep	IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data