

For Research Use Only

COXIV Monoclonal antibody

Catalog Number: 60251-1-Ig 9 Publications



Basic Information

Catalog Number: 60251-1-Ig	GenBank Accession Number: BC021236	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1327	CloneNo.: 3C7D2
Source: Mouse	UNIPROT ID: P13073	
Isotype: IgG1	Full Name: cytochrome c oxidase subunit IV isoform 1	
Immunogen Catalog Number: AG20551	Calculated MW: 19.6 kDa	
	Observed MW: 17-18 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
WB, IF

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
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

*** 20ul sizes contain 0.1% BSA

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