

For Research Use Only

MTCO2 Monoclonal antibody

Catalog Number: 68527-1-Ig



Basic Information

Catalog Number: 68527-1-Ig	GenBank Accession Number: YP_003024029	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4513	CloneNo.: 10G14F4
Source: Mouse	Full Name: cytochrome c oxidase II	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 26 kDa	
	Observed MW: 23-26 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U2OS cells, A431 cells, HeLa cells, HepG2 cells, Jurkat cells, LNCaP cells, K-562 cells
Species Specificity: Human	

Background Information

MTCO2, also named as COII, COXII and COX2, 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).

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

*** 20ul sizes contain 0.1% BSA

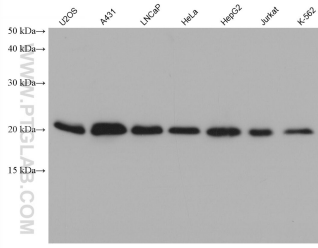
For technical support and original validation data for this product please contact:

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

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68527-1-Ig (MTCO2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.