

For Research Use Only

MTCO2 Monoclonal antibody, PBS Only



Catalog Number: 68527-1-PBS

Basic Information

Catalog Number: 68527-1-PBS	GenBank Accession Number: YP_003024029	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4513	CloneNo.: 10G14F4
Source: Mouse	UNIPROT ID: P00403	
Isotype: IgG1	Full Name: cytochrome c oxidase II	
	Calculated MW: 26 kDa	
	Observed MW: 23-26 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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

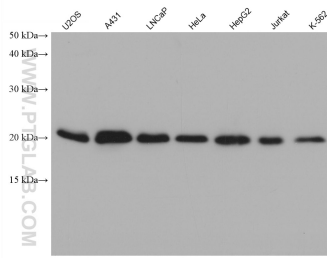
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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



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. This data was developed using the same antibody clone with 68527-1-PBS in a different storage buffer formulation.