

For Research Use Only

MTCO2 Monoclonal antibody

Catalog Number: 68527-1-Ig



Basic Information

Catalog Number:

68527-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

YP_003024029

GeneID (NCBI):

4513

Full Name:

cytochrome c oxidase II

Calculated MW:

26 kDa

Observed MW:

23-26 kDa

Purification Method:

Protein G purification

CloneNo.:

10G14F4

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB: U2OS cells, A431 cells, HeLa cells, HepG2 cells, Jurkat cells, LNCaP cells, K-562 cells

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

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

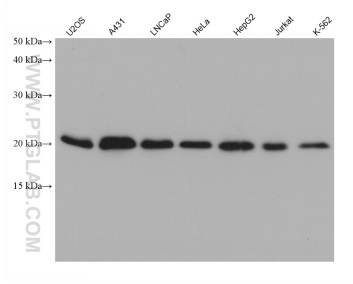
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.