

MT-CO2

Reactivity: Human Mouse Rat

Tested applications: WB IHC FC

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:100 FC 1:20 - 1:50

Calculated MW: 26kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human MT-CO2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

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Synonym:

COII; MTCO2; COX2; Cytochrome c oxidase II

Catalog #: A0526

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 4513

Isotype: IgG

Swiss Prot: P00403

Purity: Affinity purification

For research use only.

Background:

COX2, also named as COII, COXII and MTCO2, 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). The antibody is specific to COX2.

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