

## 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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