

COX1 MTCO1 Antibody FITC Conjugated

Catalog No: #C05043F

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Description

Product Name	COX1 MTCO1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 432-450 513 derived from human COX1
Conjugates	FITC
Target Name	COX1 MTCO1
Other Names	COI; COX I; COXI; Cytochrome c oxidase polypeptide I; Cytochrome C Oxidase subunit I; Mitochondrially encoded cytochrome c oxidase I; MT CO1; MTCO 1; MTCO1; MT-CO1; MTCO1; Cytochrome c oxidase subunit 1; COX1_HUMAN.
Accession No.	Swiss-Prot#P00395NCBI Gene ID4512
Uniprot	P00395
GeneID	4512;
Excitation Emission	494nm 518nm
Cell Localization	Mitochondrion
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

Cytochrome c oxidase 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. CO I is the catalytic subunit of the enzyme. Electrons originating in cytochrome c are transferred via the copper A center of subunit 2 and heme A of subunit 1 to the bimetallic center formed by heme A3 and copper B. This protein is involved in the pathway oxidative phosphorylation, which is part of Energy metabolism.

Note: This product is for in vitro research use only