

Mouse COX IV Monoclonal Antibody | anti-COX antibody

COX IV Mouse mAb

CATALOG # AAA276779	HOST Mouse	REACTIVITY Human, Rat, Mouse	APPLICATIONS Immunofluorescence, Western Blot
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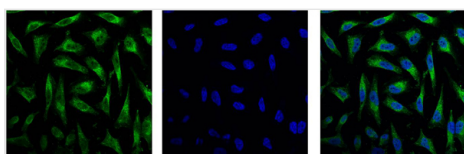
PRODUCT SYNONYMS

COX IV; Monoclonal Antibody; COX IV Mouse mAb; COX 4; Cox4a; COX4B; COXIV; Cytochrome c oxidase subunit 4 isoform 1 mitochondrial; MGC105470; dj857M17.2; Cytochrome c oxidase subunit IV; anti-COX antibody

PRODUCT SPECIFICATIONS

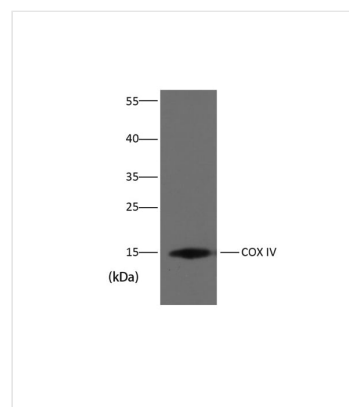
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Form/Format	PBS with 0.02% sodium azide and 50% glycerol pH7.4.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-COX antibody	IF (Immunofluorescence), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



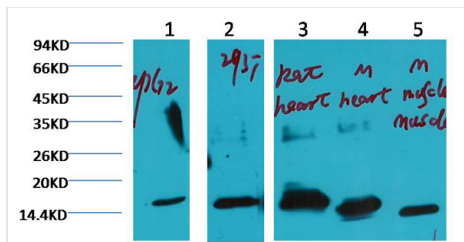
IF (Immunofluorescence)

IF analysis of HeLa with EM1032(Left) and DAPI (Right) diluted at 1:100.



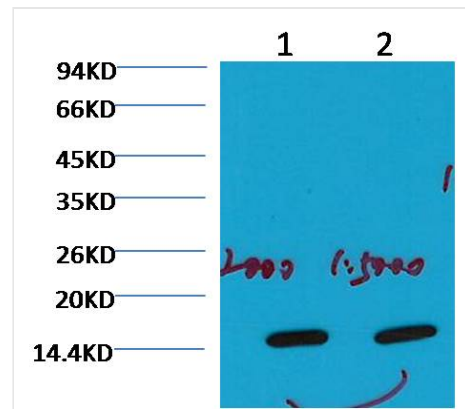
WB (Western Blot)

Western blot analysis of extracts from Mouse Kidney using COX IV diluted at 1:5,000.



WB (Western Blot)

Western blot analysis of 1) HepG2, 2) 293T, 3) Rat Heart, 4) Mouse Heart, 5) Mouse Muscle tissue with COX IV Mouse mAb diluted at 1:3,000.



WB (Western Blot)

Western blot analysis of HeLa with COX IV Mouse mAb diluted at 1) 1:2,000 2) 1:5,000

ADDITIONAL INFORMATION

Related Product Information for anti-COX antibody

The enzyme cytochrome c oxidase or Complex IV, EC 1.9.3.1) is a large transmembrane protein complex found in bacteria and the mitochondrion. It is the last enzyme in the respiratory electron transport chain of mitochondria (or bacteria) located in the mitochondrial (or bacterial) membrane. It receives an electron from each of four cytochrome c molecules, and transfers them to one oxygen molecule, converting molecular oxygen to two molecules of water. In the process, it binds four protons from the inner aqueous phase to make water, and in addition translocates four protons across the membrane, helping to establish a transmembrane difference of proton electrochemical potential that the ATP synthase then uses to synthesize ATP.

Product Categories/Family for anti-COX antibody

Membrane; Mitochondrion; Mitochondrion inner membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502981
NCBI GeneID	1327
NCBI Accession #	NP_001852.1
NCBI GenBank Nucleotide #	NM_001861.3
UniProt Accession #	P13073; Q6P666; B2R4J2; D3DUM7
Molecular Weight	19,577 Da
NCBI Official Full Name	cytochrome c oxidase subunit 4 isoform 1, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit IV isoform 1
NCBI Official Symbol	COX4I1
NCBI Official Synonym Symbols	COX4; COXIV; COX4-1
NCBI Protein Information	cytochrome c oxidase subunit 4 isoform 1, mitochondrial; COX IV-1; cytochrome c oxidase polypeptide IV
UniProt Protein Name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
UniProt Gene Name	COX4I1
UniProt Synonym Gene Names	COX4; COX IV-1
UniProt Entry Name	COX4I_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

