

COX IV Mouse Monoclonal Antibody(TDY100A-6C8)

Catalog	TDY046C	TDY046F
Quantity	50 μ L	100 μ L

Tel: 010-82908854
Free: 400-0620-621
Web: www.tdybio.com

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IF	H, R, M	15KD	IgG1

Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.
Store at **-20°C. Do not aliquot the antibody.**

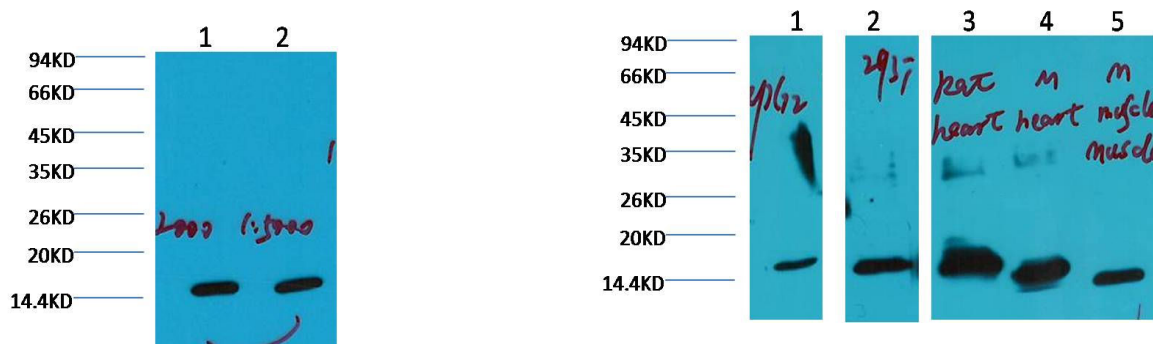
Recommended dilutions: WB: 1:1,000-3,000 IF: 1:100-200

Optimal dilutions should be determined by the end user.

Specificity: Antibody can detects endogenous COX IV protein.

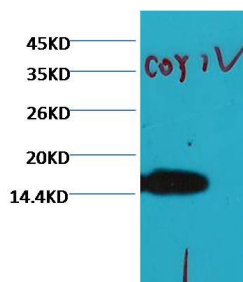
Alternative Names: COX 4, Cox4a, COX4B, COXIV, Cytochrome c oxidase subunit 4 isoform 1 mitochondrial, MGC105470, dj857M17.2, Cytochrome c oxidase subunit IV

Background: 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.



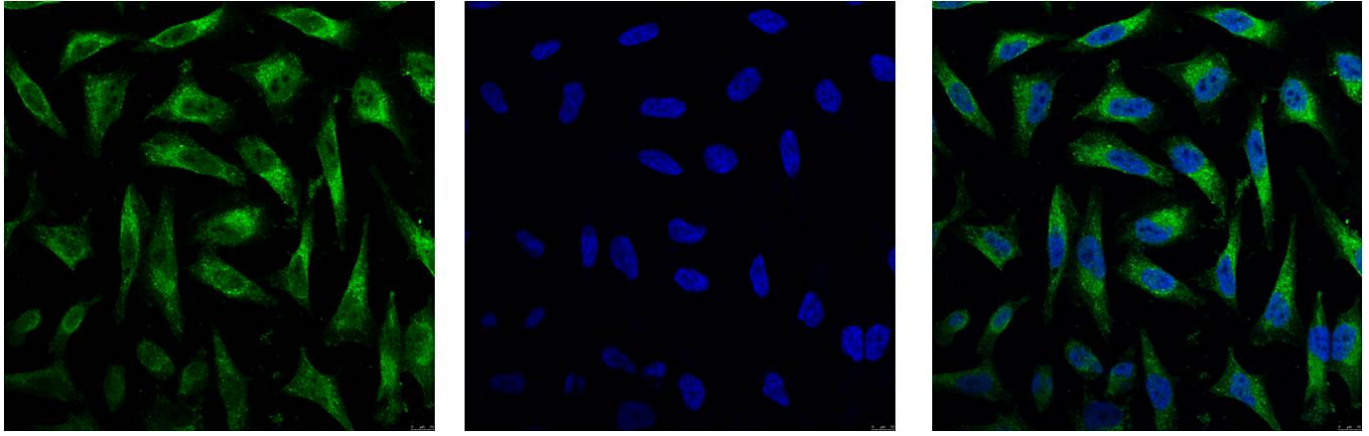
Western blot analysis of HeLa with COX IV Mouse mAb(TDY100A-6C8) diluted at 1) 1:2,000 2) 1:5,000

Western blot analysis of 1) HepG2, 2) 293T, 3) Rat Heart, 4) Mouse Heart, 5) Mouse Muscle tissue with COX IV Mouse mAb(TDY100A-6C8) diluted at 1:3,000



Western blot analysis of HeLa with COX IV Mouse mAb(TDY100A-6C8) diluted at 1:3,000

Applications: WB-Western blot IHC-Immunochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chormatin Immunoprecipitation
Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig



IF analysis of HeLa with TDY046(Left) and DAPI (Right) diluted at 1:100.