

COX IV Mouse mAb

Cat No: HR1AM2143

For research use only

Overview

Product Name	COX IV Mouse mAb
Source	Mouse
Applications	WB, IF
Species Reactivity	Human,Rat,Mouse
Recommended Dilutions	WB 1:1,000-3,000 IF 1:100-200
Immunogen	
Species	Mouse
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1mg/ml
Observed band	15kDa
GeneID?Human?	1327
Human Swiss-Prot No.	
Cellular localization	
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.