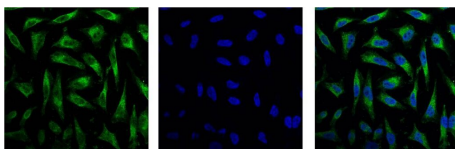


Cat. No:	MAB- 94707
Conjugate:	Unconjugated
Size:	100 ug
Clone:	20E8C12
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG1
Immunogen:	Recombinant protein containing a sequence of human COX IV
Reactivity:	Hu
Applications:	WesternBlot: 1:1000 Immunofluorescence: 1:100-1:200
Molecular Weight:	15kDa
Purification:	Aff. Pur
Synonyms:	COX 4 Cox4a COX4B COXIV Cytochrome c oxidase subunit 4 isoform mitochondrial MGC105470 dj857M17.2 Cytochrome c oxidase subunit IV

Background: The enzyme cytochrome c oxidase or Complex IV (EC.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.

Form:	Liquid
Buffer:	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.



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

References

References for COX IV Mouse mAb
Product: COX IV Mouse mAb
Journal: Plos One

Application:WB

IF:2.804

Species:Homo sapiens

PMID:25933104

Title:Mechanism of Arctigenin-Induced Specific Cytotoxicity against Human Hepatocellular Carcinoma Cell Lines: Hep G2 and SMMC7721 References for COX IV Mouse mAb

Product:COX IV Mouse mAb

Journal:Nature Communications

Application:WB

IF:11.87

Species:Danio rerio

PMID:32161263

Title:Mitochondrial peptide BRAWNIN is essential for vertebrate respiratory complex III assembly

References for COX IV Mouse mAb

Product:COX IV Mouse mAb

Journal:Scientific Reports

Application:WB

IF: 4.01

Species:Danio rerio

PMID:31827208

Title:Fundc1 is necessary for proper body axis formation during embryogenesis in zebrafish

References for COX IV Mouse mAb

Product:COX IV Mouse mAb

Journal:Redox Biol

Application:WB

IF:9.98

Species:Homo sapiens

PMID:32829253

Title:HIF-1 α -BNIP3-mediated mitophagy in tubular cells protects against renal ischemia/reperfusion injury

References for COX IV Mouse mAb

Product:COX IV Mouse mAb

Journal:Acta Pharmacol Sin

Application:WB

IF:5.06

Species:Homo sapiens

PMID:32747719

Title:LW-213 induces cell apoptosis in human cutaneous T-cell lymphomas by activating PERK-eIF2 α -ATF4-CHOP axis

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