

Mouse anti-Human, Mouse COX4 Monoclonal Antibody | anti-COX4 antibody

COX4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA111267	Mouse	Human, Mouse	Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

COX4; Monoclonal Antibody; COX4 Antibody; COX4B; COX4-2; COX4L2; COXIV-2; dJ857M17.2; anti-COX4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels of COX4(C-terminus) and does not cross-react with related proteins
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sequence Length	169
Applicable Applications for anti-COX4 antibody	ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Purified synthetic peptide of human COX4(C-terminus) protein expressed in E Coli.
Cellular Localization	Mitochondrion inner membrane

IMAGES



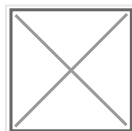
Application Data

Flow Cytometry analysis of K562 cells stained with COX4 (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.



Application Data

Western blot detection of COX4(C-terminus) antibody in Mouse skeletal muscle&Jurkat lysates using COX4(C-terminus) antibody (1:1000 diluted). Predicted band size: 20KDa
Observed band size: 20KDa.



Application Data

Immunocytochemistry of HeLa cells using anti- COX4(C-terminus) antibody diluted 1:150.

ADDITIONAL INFORMATION

Related Product Information for anti-COX4 antibody	UniPort Summary Function: This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport Entrez Summary: Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes isoform 2 of subunit IV. Isoform 1 of subunit IV is encoded by a different gene, however, the two genes show a similar structural organization. Subunit IV is the largest nuclear encoded subunit which plays a pivotal role in COX regulation.
Product Categories/Family for anti-COX4 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	974005293
NCBI GeneID	1327
NCBI Accession #	NP_001305715.1
NCBI GenBank Nucleotide #	NM_001861
UniProt Accession #	P13073; Q6P666; B2R4J2; D3DUM7
Molecular Weight	20kDa
NCBI Official Full Name	cytochrome c oxidase subunit 4 isoform 1, mitochondrial isoform 1
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 4I1
NCBI Official Symbol	COX4I1
NCBI Official Synonym Symbols	COX4; COXIV; COX4-1; COXIV-1; COX IV-1
NCBI Protein Information	cytochrome c oxidase subunit 4 isoform 1, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
UniProt Gene Name	COX4I1
UniProt Synonym Gene Names	COX4; COX IV-1

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cox4-antibody-immunocytochemistry-flow-cytometry-western-blot-elisa/111267>