Mouse COX4I1 Antibody | anti-COX4I1 antibody

COX4I1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108836	**Mouse**	**Human, Monkey, Rat, Mouse**	**ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot**

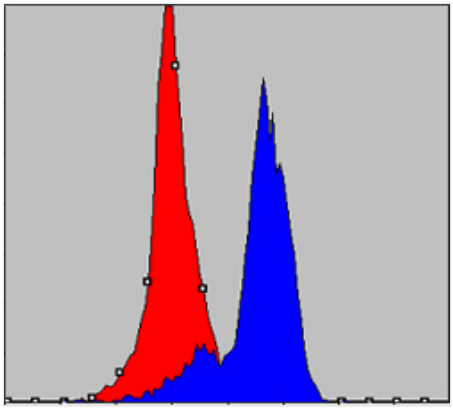
PRODUCT SYNONYMS

COX4I1; COX4I1 Antibody; COX4; COXIV; COX4-1; MGC72016; anti-COX4I1 antibody

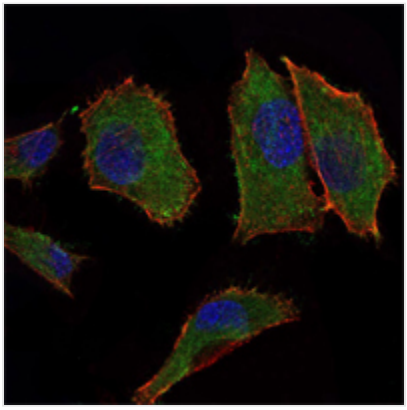
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey, Rat, Mouse
Isotype	IgG1
Clone Number	6B3
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	169
Applicable Applications for anti-COX4I1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant fragment of human COX4I1 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at-20 degree C.

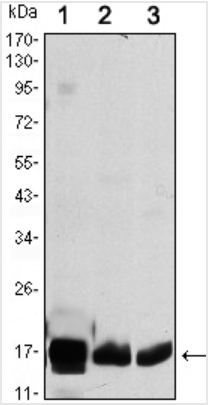
IMAGES



FCM/FACS (Flow Cytometry)
Figure 3: Flow cytometric analysis of K562 cells using COX4I1 mouse mAb (blue) and negative control (red).



IF (Immunofluorescence)
Figure 2: Immunofluorescence analysis of PANC-1 cells using COX4I1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



WB (Western Blot)
Figure 1: Western blot analysis using COX4I1 mouse mAb against HEK293 (1), A549 (2) and PC12 (3) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-COX4I1 antibody	Cytochrome c oxidase (COX) functions as the terminal oxidase of the respiratory chain that uses cytochrome c as an electron donor to drive a proton gradient across the inner mitochondrial membrane. The mammalian COX apoenzyme is a heteromer consisting of three mitochondrial encoded catalytic subunits and several nuclear gene encoded structural subunits. COX contains two iron-coordination sites and two copper-coordination sites. Cytochrome c oxidase IV (COX4) is a nuclear-encoded subunit of COX that may play a role in regulating COX activity. COX4 is expressed ubiquitously in adult human tissue with the strongest levels of expression in the pancreas and moderate expression levels in heart, skeletal muscle and placenta.
Product Categories/Family for anti-COX4I1 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 #	4502981
NCBI GeneID	1327
NCBI Accession #	NP_001852.1
NCBI GenBank Nucleotide #	NM_001861.4
UniProt Accession #	P13073; Q6P666; B2R4J2; D3DUM7
Molecular Weight	19kDa
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/mouse-human-monkey-mouse-rat-antibody/cox4i1/108836