

Mouse COX6A1 Monoclonal Antibody | anti-COX6A1 antibody

COX6A1 antibody

CATALOG # AAA74857	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
------------------------------	----------------------	---

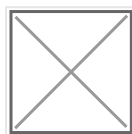
PRODUCT SYNONYMS

COX6A1; Monoclonal Antibody; COX6A1 antibody; Monoclonal COX6A1; Anti-COX6A1; Cytochrome c oxidase subunit VIa polypeptide 1; Cytochrome c oxidase polypeptide VIa-liver; COX6AL; COX6A; MGC104500; COXA1 6; COXA1-6; anti-COX6A1 antibody

PRODUCT SPECIFICATIONS

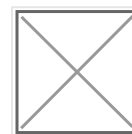
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4G2
Purity/Purification	COX6A1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	109
Applicable Applications for anti-COX6A1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	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 the electron transfer and the nuclear-encoded subunits may function in the regulation and assembly of the complex. COX6A1 encodes polypeptide 1 (liver isoform) of subunit VIa, and polypeptide 1 is found in all non-muscle tissues. Polypeptide 2 (heart/muscle isoform) of subunit VIa is encoded by a different gene, and is present only in striated muscles. These two polypeptides share 66% amino acid sequence identity.
Cross-Reactivity	Human
Immunogen	COX6A1 antibody was raised in mouse using a full length recombinant protein of human COX6A1 (NP_004364) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant COX6A1 protein using COX6A1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant COX6A1 protein (Right) or empty vector (Left) detected with COX6A1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-COX6A1 antibody	Mouse monoclonal COX6A1 antibody
Product Categories/Family for anti-COX6A1 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	17999528
NCBI GeneID	1337
NCBI Accession #	NP_004364
NCBI GenBank Nucleotide #	NM_004373.3
UniProt Accession #	P12074 ; O43714 ; Q32Q37 ; B2R500
Molecular Weight	12,155 Da
NCBI Official Full Name	cytochrome c oxidase subunit 6A1, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit VIa polypeptide 1
NCBI Official Symbol	COX6A1
NCBI Official Synonym Symbols	COX6A; CMTRID; COX6AL
NCBI Protein Information	cytochrome c oxidase subunit 6A1, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 6A1, mitochondrial
UniProt Gene Name	COX6A1
UniProt Synonym Gene Names	COX6AL; COX VIa-L
UniProt Entry Name	CX6A1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cox6a1-antibody-clone-4g2-western-blot-immunofluorescence-flow-cytometry-elisa/74857>