Cytochrome C Oxidase Subunit 8a (COX8A) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	cytochrome c oxidase subunit 8A (COX8A), Polyclonal Antibody
Full Product Name	Rabbit anti-human cytochrome c oxidase subunit 8A (ubiquitous) polyclonal Antibody
Product Gene Name	anti-COX8A antibody
Product Synonym Names	cytochrome c oxidase subunit 8A (ubiquitous); COX8A; COX; COX8; COX8-2; COX8L; VIII; VIII-L
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human,Mouse; Other species are not tested. Please decide the specificity by homology.
Form/Format	Liquid
Purity/Purification	Antigen Affinity Purified
Molecular Weight	7,579 Da
OMIM	123870
Immunogen	Human COX8A
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Avoid freeze / thaw cycles.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-138215
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-COX8A antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-COX8A antibody	ELISA: Use at an assay dependent dilution. WB : 1:1000-1:10000 IHC : 1:20-1:200 (Recommender dilutions) Positive WB detected in :Mouse skeletal muscle tissue, human skeletal muscle tissue Positive IHC detected in : Human heart tissue, human hepatocirrhosis tissue
Related Product Information for anti-COX8A antibody	Rabbit polyclonal to COX8A Function: This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Other Notes	Small volumes of anti-COX8A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for COX8A purchase	MBS713042 is an antibody targeting COX8A. Also known as Rabbit anti-human cytochrome c oxidase subunit 8A (ubiquitous) polyclonal Antibody. Reactive in Human,Mouse; Other species are not tested. Please decide the specificity by homology.. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COX8A. It may not necessarily be applicable to this product.

NCBI GI #	4758044

NCBI GeneID	1351
NCBI Accession #	NP_004065.1
UniProt Secondary Accession #	P15955
UniProt Related Accession #	P10176
GenBank Nucleotide #	NM_004074.2
NCBI Official Full Name	cytochrome c oxidase subunit 8A, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit VIIIA (ubiquitous)
NCBI Official Symbol	COX8A
NCBI Official Synonym Symbols	COX; COX8; VIII; COX8L; COX8-2; VIII-L
UniProt Protein Name	Cytochrome c oxidase subunit 8A, mitochondrial
UniProt Synonym Protein Names	Cytochrome c oxidase polypeptide VIII-liver/heart; Cytochrome c oxidase subunit 8-2
Protein Family	Cytochrome c oxidase
UniProt Gene Name	COX8A
UniProt Synonym Gene Names	COX8; COX8L
UniProt Entry Name	COX8A_HUMAN
NCBI Protein Information	cytochrome c oxidase subunit 8A, mitochondrial; cytochrome c oxidase subunit 8-2; cytochrome c oxidase subunit VIII; cytochrome c oxidase subunit 8A (ubiquitous); cytochrome c oxidase polypeptide VIII-liver/heart
NCBI Summary for COX8A	The protein encoded by this gene is the terminal enzyme of the respiratory chain, coupling the transfer of electrons from cytochrome c to molecular oxygen, with the concomitant production of a proton electrochemical gradient across the inner mitochondrial membrane. In addition to 3 mitochondrially encoded subunits, which perform the catalytic function, the eukaryotic enzyme contains nuclear-encoded smaller subunits, ranging in number from 4 in some organisms to 10 in mammals. It has been proposed that nuclear-encoded subunits may be involved in the modulation of the catalytic function. This gene encodes one of the nuclear-encoded subunits. [provided by RefSeq, Jul 2008]
UniProt Comments for COX8A	COX8A: This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. Belongs to the cytochrome c oxidase VIII family. Protein type: Membrane protein, integral; Mitochondrial; Energy Metabolism - oxidative phosphorylation Chromosomal Location of Human Ortholog: 11q12-q13 Cellular Component: mitochondrial inner membrane; integral to membrane Molecular Function: cytochrome-c oxidase activity Biological Process: cellular metabolic process; generation of precursor metabolites and energy; transmembrane transport
Research Articles on COX8A	**1.** Observational study of gene-disease association. (HuGE Navigator)
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