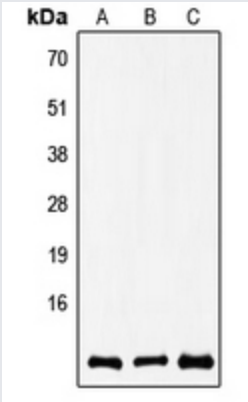
COX8A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COX8A, Polyclonal Antibody
Full Product Name	Rabbit anti-COX8A Antibody
Product Gene Name	anti-COX8A antibody
Product Synonym Names	COX8; COX8L; Cytochrome c oxidase subunit 8A, mitochondrial; Cytochrome c oxidase polypeptide VIII-liver/heart; Cytochrome c oxidase subunit 8-2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	7,579 Da
OMIM	123870
3D Structure	ModBase 3D Structure for P10176
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human COX8A. The exact sequence is proprietary.
Product Categories/Family for anti-COX8A antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-COX8A antibody	Western Blot (WB)
Application Notes for anti-COX8A antibody	WB: 1:500-1:1000
Related Product Information for anti-COX8A antibody	MBS4506620 is an antibody targeting COX8A. Also known as Rabbit anti-COX8A Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
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.



Western Blot (WB) of anti-COX8A antibody
Western blot analysis of COX8A expression in A549 (A), SP2/0 (B), rat brain (C) whole cell lysates.

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 Primary Accession #	P10176
UniProt Secondary Accession #	Q64445; P80433
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
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: Energy Metabolism - oxidative phosphorylation; Mitochondrial; Membrane protein, integral 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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