COX7B Antibody

PRODUCT OVERVIEW

Product Name	COX7B, Antibody
Full Product Name	COX7B Antibody
Product Gene Name	anti-COX7B antibody
Molecular Weight	9,161 Da
OMIM	300885
3D Structure	ModBase 3D Structure for P24311
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-COX7B antibody	MBS8504139 is an antibody targeting COX7B. Also known as COX7B Antibody.
Other Notes	Small volumes of anti-COX7B 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COX7B. It may not necessarily be applicable to this product.

NCBI GI #	4502991
NCBI GeneID	1349
NCBI Accession #	NP_001857.1
UniProt Primary Accession #	P24311
UniProt Secondary Accession #	Q6ICR1; B2R4M3
UniProt Related Accession #	P24311
GenBank Nucleotide #	NM_001866.2
NCBI Official Full Name	cytochrome c oxidase subunit 7B, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 7B
NCBI Official Symbol	COX7B
NCBI Official Synonym Symbols	APLCC; LSDMCA2
UniProt Protein Name	Cytochrome c oxidase subunit 7B, mitochondrial
UniProt Synonym Protein Names	Cytochrome c oxidase polypeptide VIIb
Protein Family	Cytochrome c oxidase
UniProt Gene Name	COX7B
NCBI Protein Information	cytochrome c oxidase subunit 7B, mitochondrial

NCBI Summary for COX7B	Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component 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 function in the regulation and assembly of the complex. This nuclear gene encodes subunit VIIb, which is highly similar to bovine COX VIIb protein and is found in all tissues. This gene may have several pseudogenes on chromosomes 1, 2, 20 and 22. [provided by RefSeq, Jun 2011]
UniProt Comments for COX7B	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. Plays a role in proper central nervous system (CNS) development in vertebrates.
Research Articles on COX7B	**1.** Data indicate that recombinant (r)IL-24 stimulated the mitochondrial apoptotic pathway genes Bax, Bid, Casp8, COX6C, COX7B after 36 h.
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