COX7A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COX7A1, Polyclonal Antibody
Full Product Name	COX7A1 Polyclonal Antibody
Product Gene Name	anti-COX7A1 antibody
Product Synonym Names	COX7A; COX7AH; COX7AM
Immunogen Sequence	MQALRVSQAL IRSFSSTARN RFQNRVREKQ KLFQEDNDIP LYLKGGIVDN ILYRVTMTLC LGGTVYSLYS LGWASFPRN
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	9kDa
OMIM	M83186 mRNA
3D Structure	ModBase 3D Structure for P24310
Immunogen	Recombinant protein of human COX7A1
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Mitochondrion inner membrane
Product Categories/Family for anti-COX7A1 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-COX7A1 antibody	Western Blot (WB)
Application Notes for anti-COX7A1 antibody	WB: 1:500 - 1:2000
Related Product Information for anti-COX7A1 antibody	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 polypeptide 1 (muscle isoform) of subunit VIIa and the polypeptide 1 is present only in muscle tissues. Other polypeptides of subunit VIIa are present in both muscle and nonmuscle tissues, and are encoded by different genes.
Other Notes	Small volumes of anti-COX7A1 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 COX7A1 purchase	MBS9134713 is an antibody targeting COX7A1. Also known as COX7A1 Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COX7A1. It may not necessarily be applicable to this product.

NCBI GI #	4502987
NCBI GeneID	1346
NCBI Accession #	NP_001855.1
UniProt Primary Accession #	P24310
UniProt Related Accession #	P24310
GenBank Nucleotide #	NM_001864.3
NCBI Official Full Name	cytochrome c oxidase subunit 7A1, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 7A1
NCBI Official Symbol	COX7A1
NCBI Official Synonym Symbols	COX7A; COX7AH; COX7AM
UniProt Protein Name	Cytochrome c oxidase subunit 7A1, mitochondrial
UniProt Synonym Protein Names	Cytochrome c oxidase subunit VIIa-heart; Cytochrome c oxidase subunit VIIa-H; Cytochrome c oxidase subunit VIIa-muscle; Cytochrome c oxidase subunit VIIa-M
Protein Family	Cytochrome c oxidase
UniProt Gene Name	COX7A1
UniProt Synonym Gene Names	COX7AH; Cytochrome c oxidase subunit VIIa-H; Cytochrome c oxidase subunit VIIa-M
NCBI Protein Information	cytochrome c oxidase subunit 7A1, mitochondrial
UniProt Comments for COX7A1	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Research Articles on COX7A1	**1.** COX7A1 is a novel gene that might play a crucial role in the etiology of lung adenocarcinoma and can serve as a biomarker for lung cancer disease progression
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