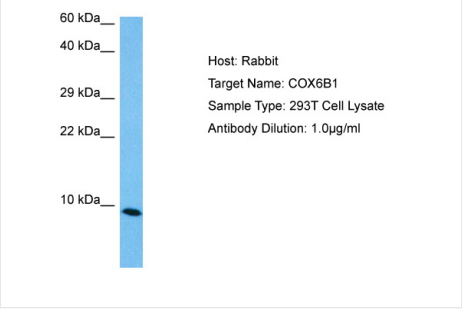
COX6B1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COX6B1, Polyclonal Antibody
Full Product Name	COX6B1 Antibody - N-terminal region
Product Gene Name	anti-COX6B1 antibody
Product Synonym Gene Name	COXG; COX6B; COXVIb1
Immunogen Sequence	Synthetic peptide located within the following region: MAEDMETKIK NYKTAPFDSR FPNQNQTRNC WQNYLDFHRC QKAMTAKGGD
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	10 kDa
OMIM	gene 220110
3D Structure	ModBase 3D Structure for P14854
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human COX6B1
Product Categories/Family for anti-COX6B1 antibody	Polyclonal; Cell Biology
Applications Tested/Suitable for anti-COX6B1 antibody	Western Blot (WB)
Related Product Information for anti-COX6B1 antibody	MBS3224053 is an antibody targeting COX6B1. Also known as COX6B1 Antibody - N-terminal region. Reactive in Human. Host: Rabbit. Connects the two COX monomers into the physiological dimeric form.
Other Notes	Small volumes of anti-COX6B1 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-COX6B1 antibody
Host: RabbitTarget Name: COX6B1Sample Tissue: Human 293T Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COX6B1. It may not necessarily be applicable to this product.

NCBI GI #	4502985
NCBI GeneID	1340
NCBI Accession #	NP_001854.1
UniProt Primary Accession #	P14854
UniProt Related Accession #	P14854
GenBank Nucleotide #	NM_001863.4
NCBI Official Full Name	cytochrome c oxidase subunit 6B1
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 6B1
NCBI Official Symbol	COX6B1
NCBI Official Synonym Symbols	COXG; COX6B; COXVIb1
UniProt Protein Name	Cytochrome c oxidase subunit 6B1
UniProt Synonym Protein Names	Cytochrome c oxidase subunit VIb isoform 1; COX VIb-1
Protein Family	Cytochrome c oxidase
UniProt Gene Name	COX6B1
UniProt Synonym Gene Names	COX6B; COX VIb-1
UniProt Entry Name	CX6B1_HUMAN
NCBI Protein Information	cytochrome c oxidase subunit 6B1
NCBI Summary for COX6B1	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 electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIb. Mutations in this gene are associated with severe infantile encephalomyopathy. Three pseudogenes COX6BP-1, COX6BP-2 and COX6BP-3 have been found on chromosomes 7, 17 and 22q13.1-13.2, respectively. [provided by RefSeq, Jan 2010]
UniProt Comments for COX6B1	COX6B1: Connects the two COX monomers into the physiological dimeric form. Defects in COX6B1 are a cause of mitochondrial complex IV deficiency (MT-C4D); also known as cytochrome c oxidase deficiency. A disorder of the mitochondrial respiratory chain with heterogeneous clinical manifestations, ranging from isolated myopathy to severe multisystem disease affecting several tissues and organs. Features include hypertrophic cardiomyopathy, hepatomegaly and liver dysfunction, hypotonia, muscle weakness, excercise intolerance, developmental delay, delayed motor development and mental retardation. A subset of patients manifest Leigh syndrome. Belongs to the cytochrome c oxidase subunit 6B family. Protein type: Mitochondrial; Energy Metabolism - oxidative phosphorylation Chromosomal Location of Human Ortholog: 19q13.1 Cellular Component: mitochondrion; mitochondrial inner membrane; mitochondrial intermembrane space Molecular Function: cytochrome-c oxidase activity Biological Process: cellular metabolic process; substantia nigra development; transmembrane transport Disease: Mitochondrial Complex Iv Deficiency
Research Articles on COX6B1	**1.** p2 peptide from HIV-1 enhances HIV-1 acute infection by increasing intracellular ATP production via the activation of mitochondrial cytochrome c oxidase (MT-CO) involved in the respiratory chain

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/cox6b1/3224053