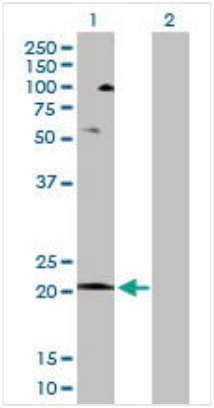
COX5A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COX5A, Polyclonal Antibody
Full Product Name	COX5A (Cytochrome C Oxidase Subunit 5A, Mitochondrial, Cytochrome C Oxidase Polypeptide Va) (Biotin)
Product Gene Name	anti-COX5A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rabbit
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human COX5A.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, cent
Immunogen	Full length human COX5A, aa1-150 (AAH24240.1).
Immunogen Sequence	MLGAALRRCAVAATTRADPRGLLHSARTPGPAVAIQSVRCYSHGSQETDEEFDARWVTYFNKPDIDAWELRKGINTLVTYDMVPEPKIIDAALRACRRLNI
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-COX5A antibody	Antibodies; Cytochrome
Applications Tested/Suitable for anti-COX5A antibody	Western Blot (WB)
Application Notes for anti-COX5A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-COX5A antibody	This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Other Notes	Small volumes of anti-COX5A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 COX5A purchase	MBS6374513 is an antibody targeting COX5A. Also known as COX5A (Cytochrome C Oxidase Subunit 5A, Mitochondrial, Cytochrome C Oxidase Poly



Western Blot (WB) of anti-COX5A antibody
Western Blot analysis of COX5A expression in transfected 293T cell line by COX5A polyclonal antibody. Lane 1: COX5A transfected lysate (16.8kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COX5A. It may not necessarily be applicable to this product.

NCBI GI #	34190525
NCBI GeneID	9377
NCBI Accession #	BC024240.2
UniProt Related Accession #	P20674
NCBI Official Full Name	Homo sapiens cytochrome c oxidase subunit Va, mRNA
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 5A
NCBI Official Symbol	COX5A
NCBI Official Synonym Symbols	VA; COX; COX-VA
Protein Family	Cytochrome c oxidase
NCBI Protein Information	cytochrome c oxidase subunit 5A, mitochondrial
NCBI Summary for COX5A	Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer of proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22. [provided by RefSeq, Jul 2008]
Research Articles on COX5A	**1.** The monomeric COX1 assembly intermediate accumulates demonstrating a function of COX5A in complex IV biogenesis. A potential therapeutic lead is demonstrated by showing that copper supplementation leads to partial rescue of complex IV deficiency in patient fibroblasts.
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