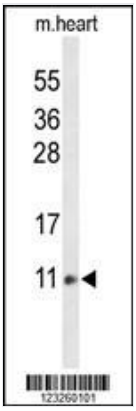
COX6A2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COX6A2, Polyclonal Antibody
Full Product Name	COX6A2, ID (COX6A2, COX6A, COX6AH, Cytochrome c oxidase subunit 6A2, mitochondrial, Cytochrome c oxidase polypeptide VIa-heart, Cytochrome c oxidase subunit VIA-muscle) (AP)
Product Gene Name	anti-COX6A2 antibody
Product Synonym Names	COX6A2; COX6A; COX6AH; Cytochrome c oxidase subunit 6A2, mitochondrial; Cytochrome c oxidase polypeptide VIa-heart; Cytochrome c oxidase subunit VIA-muscle
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	10,815 Da
OMIM	602009
3D Structure	ModBase 3D Structure for Q02221
Immunogen	COX6A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44~74 amino acids from the Central region of human COX6A2.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-COX6A2 antibody	Antibodies; Enzymes; Cytochrome
Applications Tested/Suitable for anti-COX6A2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-COX6A2 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-COX6A2 antibody	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 polypeptide 2 (heart/muscle isoform) of subunit VIa, and polypeptide 2 is present only in striated muscles. Polypeptide 1 (liver isoform) of subunit VIa is encoded by a different gene, and is found in all non-muscle tissues. These two polypeptides share 66% amino acid sequence identity.
Product References and Citations for anti-COX6A2 antibody	Bachman, N.J., et al. Genomics 42(1):146-151(1997). Lanfranchi, G., et al. Genome Res. 6(1):35-42(1996).

Other Notes	Small volumes of anti-COX6A2 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 COX6A2 purchase	MBS6288120 is an antibody targeting COX6A2. Also known as COX6A2, ID (COX6A2, COX6A, COX6AH, Cytochrome c oxidase subunit 6A2, mitochondrial, Cytochrome c oxidase polypeptide VIa-heart, Cytochrome c oxidase subunit VIA-muscle) (AP). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-COX6A2 antibody
Western blot analysis of COX6A2 Antibody (Center) in mouse heart tissue lysates (35ug/lane). COX6A2 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COX6A2. It may not necessarily be applicable to this product.

NCBI GI #	4885149
NCBI GeneID	1339
NCBI Accession #	NP_005196
UniProt Primary Accession #	Q02221
UniProt Secondary Accession #	O00761; Q6GTW6
UniProt Related Accession #	Q02221
GenBank Nucleotide #	NM_005205
NCBI Official Full Name	cytochrome c oxidase subunit 6A2, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit VIa polypeptide 2
NCBI Official Symbol	COX6A2
NCBI Official Synonym Symbols	COX6AH; COXVIAH
UniProt Protein Name	Cytochrome c oxidase subunit 6A2, mitochondrial
UniProt Synonym Protein Names	Cytochrome c oxidase polypeptide VIa-heart; COXVIAH; Cytochrome c oxidase subunit VIA-muscle; COX VIa-M
Protein Family	Cytochrome c oxidase
UniProt Gene Name	COX6A2
UniProt Synonym Gene Names	COX6A; COX6AH; COXVIAH; COX VIa-M
UniProt Entry Name	CX6A2_HUMAN
NCBI Protein Information	cytochrome c oxidase subunit 6A2, mitochondrial; COX VIa-M; cytochrome c oxidase polypeptide VIa-heart; cytochrome c oxidase subunit VIA-muscle

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