

Rabbit anti-Human COX6A2 Polyclonal Antibody | anti-COX6A2 antibody

COX6A2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288195	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

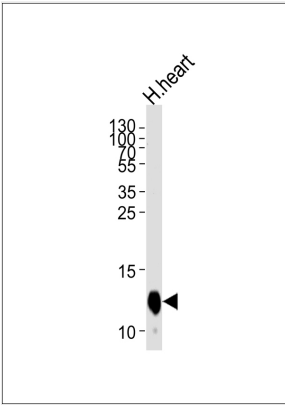
PRODUCT SYNONYMS

COX6A2; Polyclonal Antibody; COX6A2 Antibody (Center); Cytochrome c oxidase subunit 6A2; mitochondrial; Cytochrome c oxidase polypeptide VIa-heart; COXVIAH; Cytochrome c oxidase subunit VIA-muscle; COX VIa-M; COX6A; COX6AH; anti-COX6A2 antibody

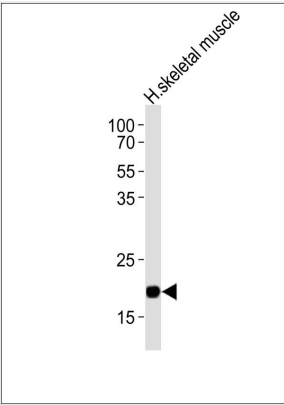
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COX6A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-66 amino acids from the Central region of human COX6A2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	37-66
Sequence Length	97
Applicable Applications for anti-COX6A2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

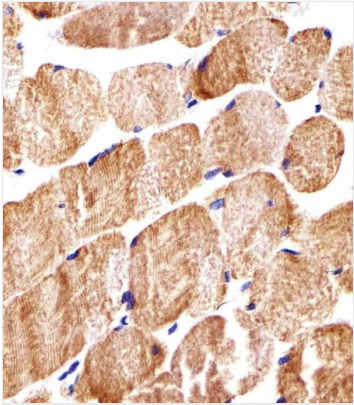
IMAGES



WB (Western Blot)
Western blot analysis of lysate from human heart tissue lysate, using COX6A2 Antibody (Center). AAA288195 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



WB (Western Blot)
Western blot analysis of lysate from human skeletal muscle tissue lysate, using COX6A2 Antibody (Center). AAA288195 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. skeletal muscle section using COX6A2 Antibody (Center). AAA288195 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

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 Categories/Family for anti-COX6A2 antibody	Crown Antibodies; Signal Transduction
References	Bachman, N.J., et al. Genomics 42(1):146-151(1997) Lanfranchi, G., et al. Genome Res. 6(1):35-42(1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885149
NCBI GeneID	1339
NCBI Accession #	NP_005196.1

NCBI GenBank Nucleotide #	NM_005205.3
UniProt Accession #	Q02221 ; O00761 ; Q6GTW6
Molecular Weight	10815
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
NCBI Protein Information	cytochrome c oxidase subunit 6A2, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 6A2, mitochondrial
UniProt Gene Name	COX6A2
UniProt Synonym Gene Names	COX6A; COX6AH; COXVIAH; COX VIa-M
UniProt Entry Name	CX6A2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cox6a2-antibody-western-blot-immunohistochemistry-elisa/288195>