

Rabbit COX6A2 Polyclonal Antibody | anti-COX6A2 antibody

COX6A2 antibody

CATALOG # AAA107741	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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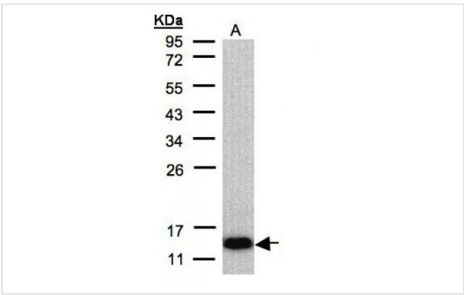
PRODUCT SYNONYMS

COX6A2; Polyclonal Antibody; COX6A2 antibody; Polyclonal COX6A2; Anti-COX6A2; COXVIAH; COXA2 6; cytochrome c oxidase subunit VIA-muscle; COXA2-6; COX6AH; cytochrome c oxidase polypeptide VIa-heart; COX VIa-M; cytochrome c oxidase subunit 6A2 mitochondrial; cytochrome c oxidase subunit VIa polypeptide 2; anti-COX6A2 antibody

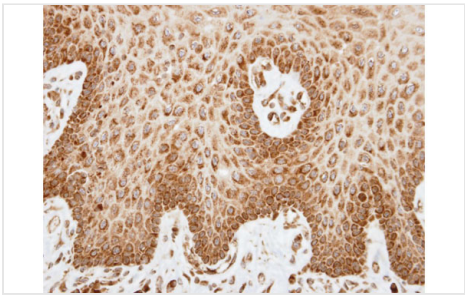
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	COX6A2 antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.9 mg/ml (varies by lot)
Sequence Length	97
Applicable Applications for anti-COX6A2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	Cytochrome c oxidase, 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 of subunit VIa, and polypeptide 2 is present only in striated muscles. Polypeptide 1 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.
Cross-Reactivity	Human
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of 30 ug of whole cell lysate (A:Raji) using a 12 % SDS PAGE gel and COX6A2 antibody at a dilution of 1:500



IHC (Immunohistochemistry)
Immunohistochemical staining of paraffin-embedded SCC4 xenograft using COX6A2 antibody at a dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-COX6A2 antibody	Affinity purified Rabbit polyclonal COX6A2 antibody
Product Categories/Family for anti-COX6A2 antibody	Proteases ; Inhibitors ; & Enzymes ; Purified Polyclonal Antibodies

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	11 kDa
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.