

Rabbit COX6B1 Polyclonal Antibody | anti-COX6B1 antibody

COX6B1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286154	Rabbit	Human (Predicted Reactivity: Monkey)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

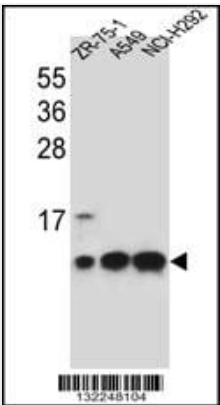
COX6B1; Polyclonal Antibody; COX6B1 Antibody (C-term); Cytochrome c oxidase subunit 6B1; Cytochrome c oxidase subunit VIb isoform 1; COX VIb-1; COX6B; anti-COX6B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COX6B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-86 amino acids from the C-terminal region of human COX6B1.
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	59-86
Sequence Length	86
Applicable Applications for anti-COX6B1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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.



IHC (Immunohistochemistry)
COX6B1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of COX6B1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
COX6B1 Antibody (C-term) western blot analysis in ZR-75-1, A549, NCI-H292 cell line lysates (35ug/lane). This demonstrates the COX6B1 antibody detected the COX6B1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-COX6B1 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 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.
Product Categories/Family for anti-COX6B1 antibody	Cancer; Metabolism; Signal Transduction
References	Lazarou, M., et al. FEBS J. 276(22):6701-6713(2009) Massa, V., et al. Am. J. Hum. Genet. 82(6):1281-1289(2008) Sirchia, R., et al. Biol. Chem. 388(5):457-465(2007) Schmidt, T.R., et al. Gene 286(1):13-19(2002) Taanman, J.W., et al. Hum. Genet. 87(3):325-327(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502985
NCBI GeneID	1340
NCBI Accession #	NP_001854.1
NCBI GenBank Nucleotide #	NM_001863.4
UniProt Accession #	P14854; Q6IBL4; B2R5C9
Molecular Weight	10192
NCBI Official Full Name	cytochrome c oxidase subunit 6B1
NCBI Official Synonym Full Names	cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous)
NCBI Official Symbol	COX6B1

NCBI Official Synonym Symbols	COXG; COX6B; COXVIb1
NCBI Protein Information	cytochrome c oxidase subunit 6B1
UniProt Protein Name	Cytochrome c oxidase subunit 6B1
UniProt Gene Name	COX6B1
UniProt Synonym Gene Names	COX6B; COX VIb-1
UniProt Entry Name	CX6B1_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://stage.aaabiotech.com/polyclonal/cox6b1-antibody-immunohistochemistry-western-blot-elisa/286154>