

Rabbit anti-Human Cytochrome c oxidase subunit 6A1, mitochondrial Polyclonal Antibody | anti-COX6A1 antibody

Rabbit anti-human Cytochrome c oxidase subunit 6A1, mitochondrial polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229452	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

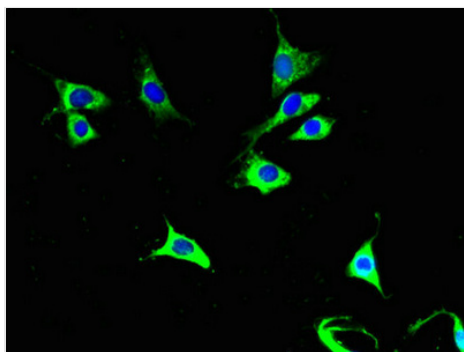
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 6A1; mitochondrial; Polyclonal Antibody; Rabbit anti-human Cytochrome c oxidase subunit 6A1; mitochondrial polyclonal Antibody; mitochondrial protein; Cytochrome c oxidase polypeptide VIa-liver; Cytochrome c oxidase subunit VIA-liver; COX VIa-L; COX6A1; COX6AL; anti-COX6A1 antibody

PRODUCT SPECIFICATIONS

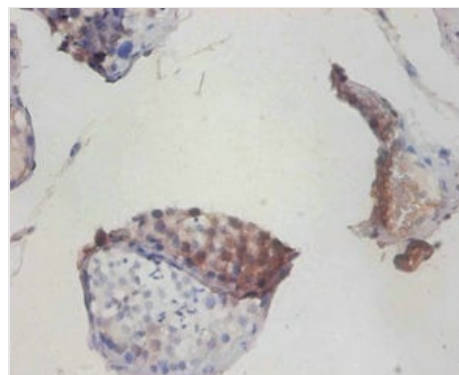
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	109
Applicable Applications for anti-COX6A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Cytochrome c oxidase subunit 6A1, mitochondrial protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



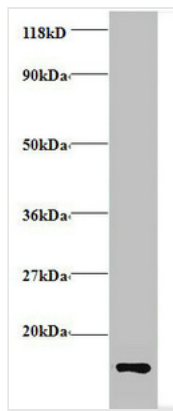
IHC (Immunohistochemistry)

Immunofluorescent analysis of NIH3T3 cells using AAA229452 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis using AAA229452 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: Cytochrome c oxidase subunit 6A1, mitochondrial Antibody at 2ug/ml+EC109 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/15000 dilutionPredicted band size: 12 kDaObserved band size: 12 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-COX6A1 antibody	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport 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 the electron transfer and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 1 (liver isoform) of subunit VIa, and polypeptide 1 is found in all non-muscle tissues. Polypeptide 2 (heart/muscle isoform) of subunit VIa is encoded by a different gene, and is present only in striated muscles. These two polypeptides share 66% amino acid sequence identity. It has been reported that there may be several pseudogenes on chromosomes 1, 6, 7q21, 7q31-32 and 12. However, only one pseudogene (COX6A1P) on chromosome 1p31.1 has been documented.
Product Categories/Family for anti-COX6A1 antibody	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	17999528
NCBI GeneID	1337
NCBI Accession #	NP_004364.2
NCBI GenBank Nucleotide #	NM_004373.3
UniProt Accession #	P12074; O43714; Q32Q37; B2R500
Molecular Weight	12,155 Da
NCBI Official Full Name	cytochrome c oxidase subunit 6A1, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 6A1
NCBI Official Symbol	COX6A1
NCBI Official Synonym Symbols	COX6A; CMTRID; COX6AL
NCBI Protein Information	cytochrome c oxidase subunit 6A1, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 6A1, mitochondrial
UniProt Gene Name	COX6A1
UniProt Synonym Gene Names	COX6AL; COX VIa-L

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/cytochrome-c-oxidase-subunit-6a1-mitochondrial-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/229452>