

Rabbit COX6A1 Polyclonal Antibody | anti-COX6A1 antibody

COX6A1 Polyclonal Antibody

CATALOG # AAA280161	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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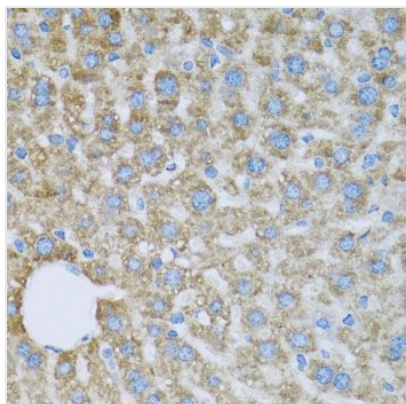
PRODUCT SYNONYMS

COX6A1; Polyclonal Antibody; COX6A1 Polyclonal Antibody; COX6A; COX6AL; anti-COX6A1 antibody

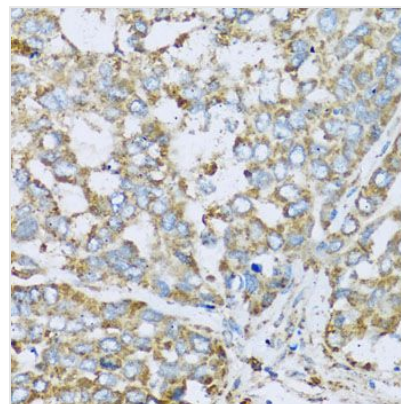
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	109
Applicable Applications for anti-COX6A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human COX6A1
Calculated Molecular Weight	12kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

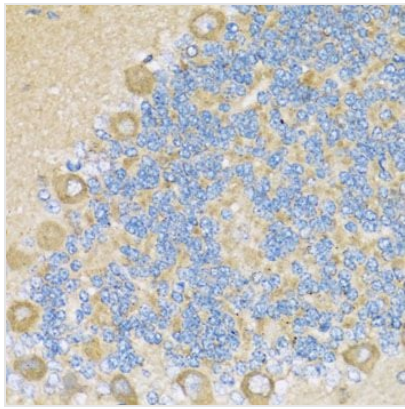
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse liver using COX6A1 antibody at dilution of 1:100 (40x lens).

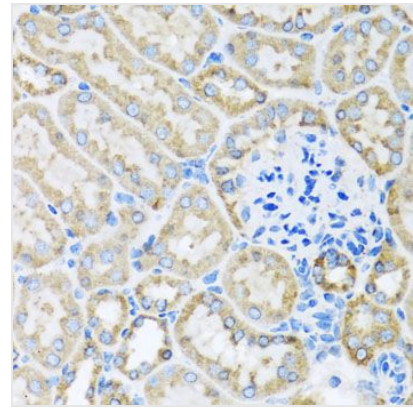

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using COX6A1 antibody at dilution of 1:100 (40x lens).



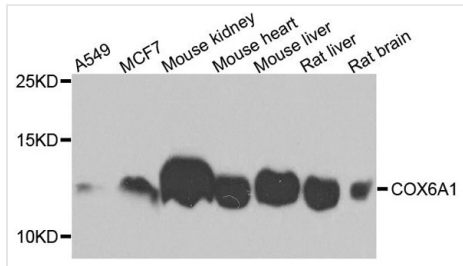
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat cerebellum using COX6A1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using COX6A1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using COX6A1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-COX6A1 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 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

[Polyclonal](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6166030
NCBI GeneID	1337
UniProt Accession #	P12074 ; O43714 ; Q32Q37 ; B2R500
Molecular Weight	109
NCBI Official Full Name	Cytochrome c oxidase subunit 6A1, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit VIa polypeptide 1
NCBI Official Symbol	COX6A1
NCBI Official Synonym Symbols	COX6A; CMTRID; COX6AL

NCBI Protein Information	cytochrome c oxidase subunit 6A1, mitochondrial; COX VIa-L; cytochrome c oxidase subunit VIA-liver; cytochrome C oxidase subunit VIa homolog; cytochrome c oxidase polypeptide VIa-liver
UniProt Protein Name	Cytochrome c oxidase subunit 6A1, mitochondrial
UniProt Gene Name	COX6A1
UniProt Synonym Gene Names	COX6AL; COX VIa-L
UniProt Entry Name	CX6A1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cox6a1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/280161>