

Rabbit COX42 Polyclonal Antibody | anti-COX42 antibody

COX42 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324247	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

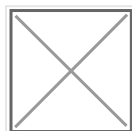
PRODUCT SYNONYMS

COX42; Polyclonal Antibody; COX42 Antibody; COX IV-2; COX4 2; COX4; COX42_HUMAN; COX4B; Cox4i2; COX4L2; COXIV 2; Cytochrome c oxidase subunit 4 isoform 2; Cytochrome c oxidase subunit 4 isoform 2 mitochondrial [Precursor]; cytochrome c oxidase subunit IV isoform 2 (lung); Cytochrome c oxidase subunit IV isoform 2; dJ857M17.2; mitochondrial; RP23 106A3.3; anti-COX42 antibody

PRODUCT SPECIFICATIONS

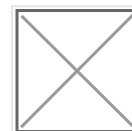
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	COX42 antibody detects endogenous levels of total COX42
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	171
Applicable Applications for anti-COX42 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Inner Membrane.
Tissue Specificity	Highly expressed in lung.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324247 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from K562 cells, treated with insulin (0.01U/ml, 15mins), using COX42 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COX42 antibody	Function: This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. Similarity: Belongs to the cytochrome c oxidase IV family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17999526
NCBI GeneID	84701
NCBI Accession #	NP_115998.2
NCBI GenBank Nucleotide #	NM_032609.2
UniProt Accession #	Q96KJ9; Q6GTF4; Q9H0Z4
Molecular Weight	Observed: 20 kD Predicted: 21 kDa
NCBI Official Full Name	cytochrome c oxidase subunit 4 isoform 2, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 4l2
NCBI Official Symbol	COX4l2
NCBI Official Synonym Symbols	COX4; COX4B; COX4-2; COX4L2; COXIV-2; dJ857M17.2
NCBI Protein Information	cytochrome c oxidase subunit 4 isoform 2, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 4 isoform 2, mitochondrial
UniProt Gene Name	COX4l2
UniProt Synonym Gene Names	COX4L2; COX IV-2

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/cox42-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324247>