

Rabbit COX4 Polyclonal Antibody | anti-COX4 antibody

COX4 antibody

CATALOG # AAA107697	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence
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PRODUCT SYNONYMS

COX4; Polyclonal Antibody; COX4 antibody; Polyclonal COX4; Anti-COX4; COX-4; MGC72016; COXIV; COX4I1; COX 4; FLJ23483; cytochrome c oxidase polypeptide IV; COX IV-1; COX4-1; cytochrome c oxidase subunit 4 isoform 1 mitochondrial; cytochrome c oxidase subunit IV isoform 1; anti-COX4 antibody

PRODUCT SPECIFICATIONS

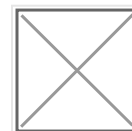
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	COX4 antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.38 mg/ml (varies by lot)
Sequence Length	169
Applicable Applications for anti-COX4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Biological Significance	Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex.
Cross-Reactivity	Human
Immunogen	COX4 antibody was raised in rabbit using a recombinant fragment corresponding to a region within amino acids 1 and 169 of COX4
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



IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded CA922 xenograft using COX4 antibody at a dilution of 1:100



WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A:A431; B:MOLT4) using a 12 % SDS PAGE gel and COX4 antibody at a dilution of 1:2000



IF (Immunofluorescence)

Confocal immunofluorescence analysis (Olympus FV10i) of methanol-fixed HeLa, using COX4 antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2000.

ADDITIONAL INFORMATION

Related Product Information for anti-COX4 antibody	Affinity purified Rabbit polyclonal COX4 antibody
Product Categories/Family for anti-COX4 antibody	Proteases ; Inhibitors ; & Enzymes ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	180935
NCBI GeneID	1327
UniProt Accession #	P13073 ; Q6P666 ; B2R4J2 ; D3DUM7
Molecular Weight	20 kDa
NCBI Official Full Name	cytochrome c oxidase subunit IV (COX4)
NCBI Official Synonym Full Names	cytochrome c oxidase subunit IV isoform 1
NCBI Official Symbol	COX4I1
NCBI Official Synonym Symbols	COX4; COXIV; COX4-1
NCBI Protein Information	cytochrome c oxidase subunit 4 isoform 1, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
UniProt Gene Name	COX4I1
UniProt Synonym Gene Names	COX4; COX IV-1
UniProt Entry Name	COX41_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/cox4-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/107697>