



# Rabbit Anti-COX4 / COX4L2 monoclonal antibody, clone KK10-16 (CABT-L844)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	COX IV
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	KK10-16
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC, IP, FC
<b>Molecular Weight</b>	16 kDa
<b>Cellular Localization</b>	Mitochondrion inner membrane.
<b>Positive Control</b>	NIH/3T3, HepG2, human liver tissue, mouse heart tissue, rat heart tissue, mouse colon tissue, human liver cancer tissue, human colon cancer tissue, human kidney tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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## BACKGROUND

<b>Introduction</b>	Cytochrome c oxidase (COX) functions as the terminal oxidase of the respiratory chain that uses cytochrome c as an electron donor to drive a proton gradient across the inner mitochondrial membrane. The mammalian COX apoenzyme is a heteromer consisting of three mitochondrial encoded catalytic subunits and several nuclear gene encoded structural subunits. COX contains two iron-coordination sites and two copper-coordination sites. Cytochrome c oxidase IV (COX4) is a nuclear-encoded subunit of COX that may play a role in regulating COX activity. COX4 is expressed ubiquitously in adult human tissue with the strongest levels of expression in the pancreas and moderate expression levels in heart, skeletal muscle and placenta.
<b>Keywords</b>	AL024441;COX 4;COX IV 1;COX IV;COX IV-1;Cox4;COX4I1_HUMAN;Cox4a;COX4B;COX4I1;COX4I2;COX4L2;COXIV;Cytochrome c oxidase polypeptide IV;Cytochrome c oxidase subunit 4 isoform 1 mitochondrial;Cytochrome c oxidase subunit 4 isoform 1, mitochondrial;Cytochrome C Oxidase subunit IV;Cytochrome c oxidase subunit IV isoform 1;Cytochrome c oxidase subunit IV isoform 2 (lung);Cytochrome c oxydase subunit 4;dJ857M17.2;MGC105470;MGC72016 antibody

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