



COX4I2 Monoclonal Antibody

Catalog No	YP-mAb-02545
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	COX4I2
Immunogen	The antiserum was produced against synthesized peptide derived from human COX42. AA range:31-80
Specificity	COX4I2 Monoclonal Antibody detects endogenous levels of COX4I2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	COX IV 2;COX IV-2;COX4;COX4 2;COX4B;COX4I2;Cytochrome c oxidase subunit 4 isoform 2 mitochondrial;COX4L2;Cytochrome c oxidase subunit 4 isoform 2;mitochondrial;Cytochrome c oxidase subunit IV isoform 2
Observed Band	20kD
Calculated Molecular Weight	20kD
Cell Pathway	Mitochondrion inner membrane ; Single-pass membrane protein .
Tissue Specificity	Highly expressed in lung.
Function	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.,tissue specificity:Highly expressed in lung.,
Background	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 electron transfer, and



the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes isoform 2 of subunit IV. Isoform 1 of subunit IV is encoded by a different gene, however, the two genes show a similar structural organization. Subunit IV is the largest nuclear encoded subunit which plays a pivotal role in COX regulation. [provided by RefSeq, Jul 2008],

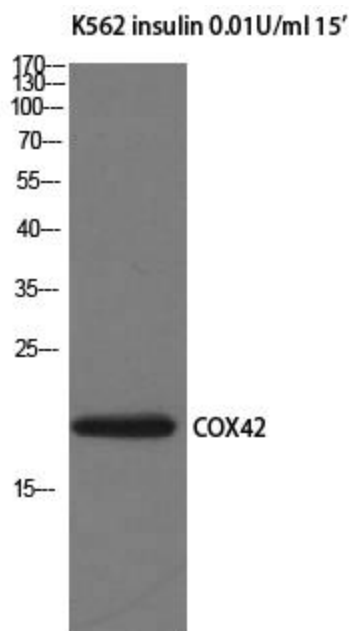
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using COX4I2 Monoclonal Antibody