



COX11 Monoclonal Antibody

Catalog No	YP-mAb-02539
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	COX11
Immunogen	The antiserum was produced against synthesized peptide derived from human COX11. AA range:51-100
Specificity	COX11 Monoclonal Antibody detects endogenous levels of COX11 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 11;COX11P;COX11;Cytochrome c oxidase assembly protein COX11 mitochondrial;Cytochrome c oxidase assembly protein COX11;mitochondrial
Observed Band	31kD
Calculated Molecular Weight	31kD
Cell Pathway	Mitochondrion inner membrane ; Single-pass membrane protein ; Intermembrane side .
Tissue Specificity	Ubiquitous.
Function	function:Exerts its effect at some terminal stage of cytochrome c oxidase synthesis, probably by being involved in the insertion of the copper B into subunit I.,similarity:Belongs to the COX11/ctaG family.,subunit:Interacts with CNNM4/ACDP4.,tissue specificity:Ubiquitous.,
Background	Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component 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 function in the regulation and assembly of the complex. This nuclear gene encodes a protein which is not a structural subunit, but may be a heme A biosynthetic enzyme involved in COX formation, according to the yeast mutant studies. However, the studies in *Rhodobacter sphaeroides* suggest that this gene is not required for heme A biosynthesis, but required for stable formation of the Cu(B) and magnesium centers of COX. This human protein is predicted to c

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

