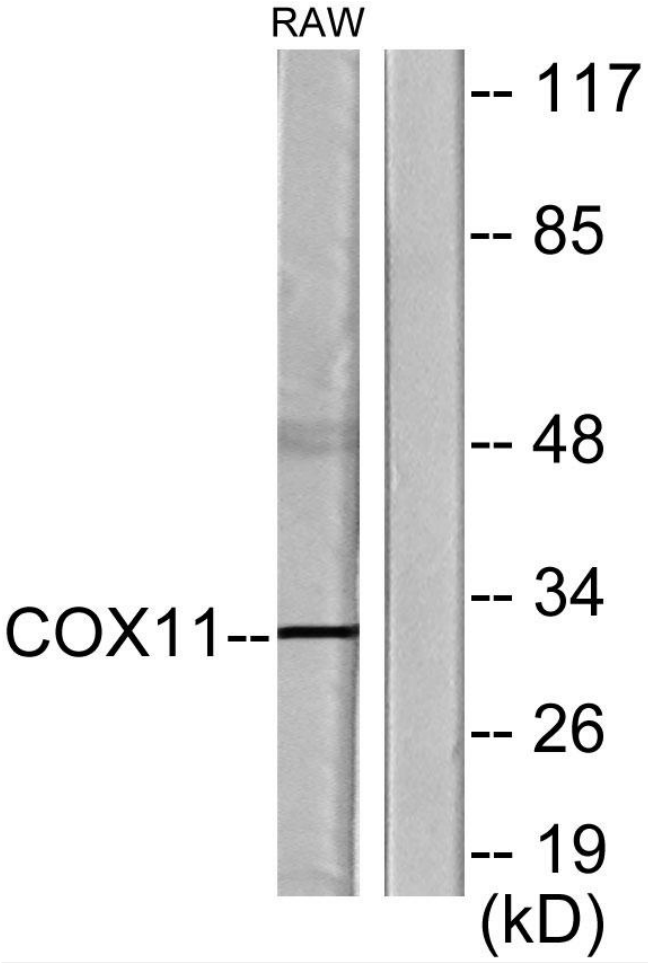
COX11 Monoclonal Antibody

Catalog No	YP-mAb-02539
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	COX11
Protein Name	Cytochrome c oxidase assembly protein COX11 mitochondrial
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	COX11; Cytochrome c oxidase assembly protein COX11; mitochondrial
Observed Band	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



Western Blot analysis of various cells using COX11 Monoclonal Antibody