COX IV (PTR1399) Mouse mAb

Catalog No	YP-mAb-18743
Isotype	IgG2b,kappa
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	COX4I1
Protein Name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
Immunogen	AA range: 100-200
Specificity	This antibody detects endogenous levels of COX IV protein.
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	
Purification	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	COX4I1 ; COX4 ; Cytochrome c oxidase subunit 4 isoform 1, mitochondrial ; Cytochrome c oxidase polypeptide IV ; Cytochrome c oxidase subunit IV isoform 1 ; COX IV-1
Observed Band	20kD
Cell Pathway	Mitochondrion inner membrane
Tissue Specificity	Ubiquitous.
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:Ubiquitous.,
Background	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. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial

	respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. Pseudogenes related to this gene are located on chromosomes
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.

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