



CX6A1 Monoclonal Antibody

Catalog No	YP-mAb-05065
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	COX6A1 COX6AL
Immunogen	Synthesized peptide derived from human protein . at AA range: 1-80
Specificity	CX6A1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 VIa L;COX VIa-L;COX6A;COX6A1;COX6AL;CX6A1;COX6A1 COX6AL; Cytochrome c oxidase subunit 6A1;mitochondrial (Cytochrome c oxidase polypeptide VIa-liver) (Cytochrome c oxidase subunit VIA-liver) (COX VIa-L); mitochondrial (Cytochrome c oxidase polypeptide VIa-liver) (Cytochrome c oxidase subunit VIA-liver) (COX VIa-L)
Observed Band	11kD
Calculated Molecular Weight	11kD
Cell Pathway	Mitochondrion inner membrane ; Single-pass membrane protein .
Tissue Specificity	Brain,Liver,Testis,Uterus,
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 subunit 6A family., similarity:Belongs to the cytochrome c oxidase VIa family.,
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 the electron transfer and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 1 (liver isoform) of subunit VIa, and polypeptide 1 is found in all non-muscle tissues. Polypeptide 2 (heart/muscle isoform) of subunit VIa is encoded by a different gene, and is present only in striated muscles. These two polypeptides share 66% amino acid sequence identity. It has been reported that there may be several pseudogenes on chromosomes 1, 6, 7q21, 7q31-32 and 12. However

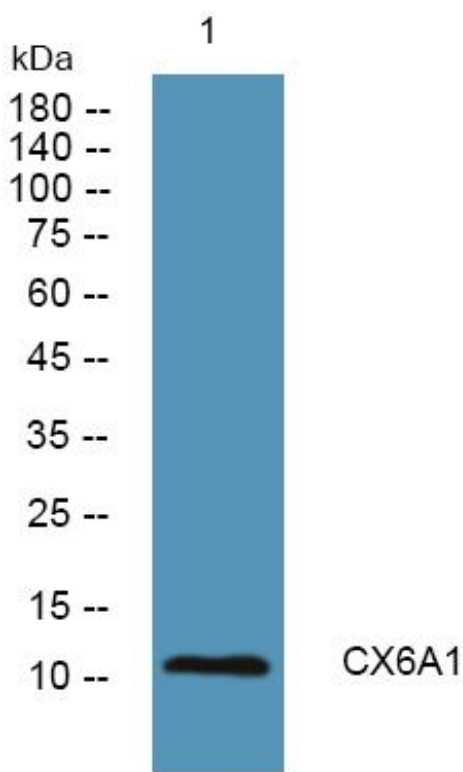
matters needing attention

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 CX6A1 Monoclonal Antibody