



CX7A1 rabbit pAb

Catalog No	YP-Ab-12174
Isotype	IgG
Reactivity	Human; Mouse
Applications	IHC;IF
Gene Name	COX7A1 COX7AH
Immunogen	Synthesized peptide derived from human CX7A1 AA range: 1-50
Specificity	This antibody detects endogenous levels of CX7A1 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:50-200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	COX7A;COX7A1;COX7AH;COX7AM;CX7A1_HUMAN;Cytochrome c oxidase subunit 7A1;Cytochrome c oxidase subunit 7A1 mitochondrial;Cytochrome c oxidase subunit VIIa H;Cytochrome c oxidase subunit VIIa heart;Cytochrome c oxidase subunit VIIa heart/muscle isoform;Cytochrome c oxidase subunit VIIa M; Cytochrome c oxidase subunit VIIa muscle;Cytochrome c oxidase subunit VIIa polypeptide 1 (muscle);Cytochrome c oxidase subunit VIIa polypeptide 1; Cytochrome c oxidase subunit VIIa-H;Cytochrome c oxidase subunit VIIa-heart; Cytochrome c oxidase subunit VIIa-M;Cytochrome c oxidase subunit VIIa-muscle;mitochondrial;CX7A1;COX7A1 COX7AH
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Mitochondrion inner membrane ; Single-pass membrane protein .
Tissue Specificity	
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 VIIa family.,



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 polypeptide 1 (muscle isoform) of subunit VIIa and the polypeptide 1 is present only in muscle tissues. Other polypeptides of subunit VIIa are present in both muscle and nonmuscle tissues, and are encoded by different genes. [provided by RefSeq, Jul 2008],

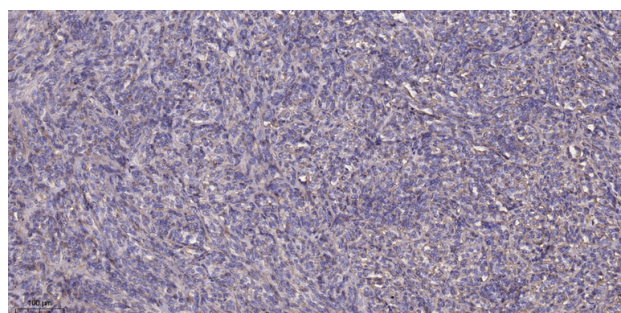
matters needing attention

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



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



Western Blot analysis of mouse heart rat-heart ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000