

COX7A1 Rabbit mAb

Catalog No.: A21240 **Recombinant**

Basic Information

Observed MW

9kDa

Calculated MW

9kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC53426

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.

Recommended Dilutions

WB 1:2000 - 1:20000**IHC-P** 1:2000 - 1:6000**IF/ICC** 1:50 - 1:200**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

1346

Swiss Prot

P24310

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

COX7A; COX7AH; COX7AM; COX7A1

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

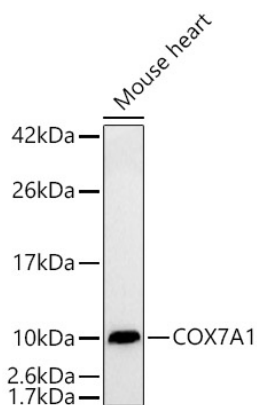
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from Mouse heart, using COX7A1 Rabbit mAb (A21240) at 1:20000 dilution.

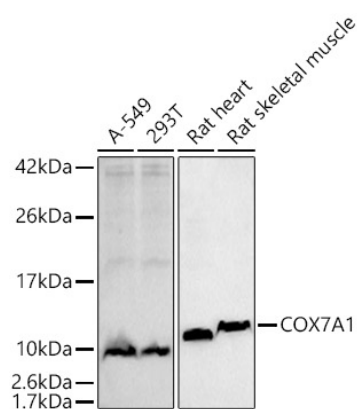
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of various lysates, using COX7A1 Rabbit mAb (A21240) at 1:20000 dilution.

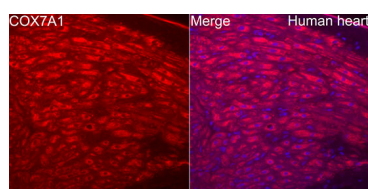
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

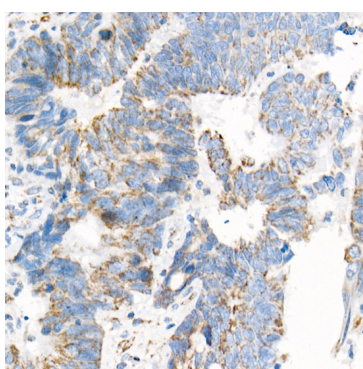
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

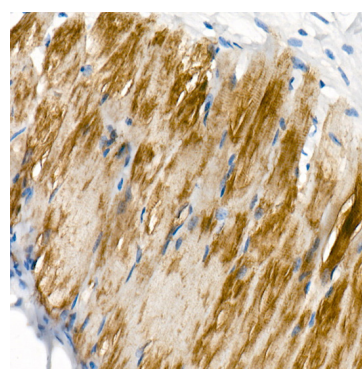
Exposure time: 90s.



Confocal imaging of Human heart using COX7A1 Rabbit mAb(A21240, 1:100)(Red).DAPI was used for nuclear staining(blue).Objective:40x.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using COX7A1 Rabbit mAb (A21240) at dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle using COX7A1 Rabbit mAb (A21240) at dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.