

A8707

Leader in Biomolecular Solutions for Life Science



COX7A1 Rabbit pAb

Catalog No.: A8707

Basic Information

Observed MW

10kDa

Calculated MW

9kDa

Category

Polyclonal Antibody

Applications

WB

Cross-Reactivity

Human,Mouse

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 1:500 - 1:1000

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



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

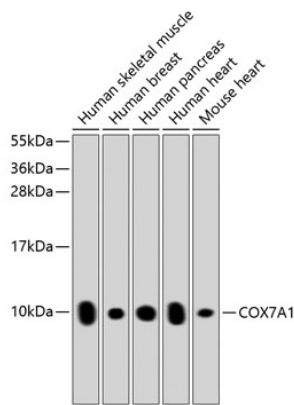
Affinity purification

Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,pH7.3.

Validation Data



Western blot analysis of various lysates using COX7A1 Rabbit pAb (A8707).
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.