

COX7A2 Rabbit pAb

Catalog No.: A8406

1 Publications

Basic Information

Observed MW

11kDa

Calculated MW

9kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Human

Background

Cytochrome c oxidase, 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 three catalytic subunits encoded by mitochondrial genes, and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, while the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (liver isoform) of subunit VIIa, with this polypeptide being present in both muscle and non-muscle tissues. In addition to polypeptide 2, subunit VIIa includes polypeptide 1 (muscle isoform), which is present only in muscle tissues, and a related protein, which is present in all tissues. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 4 and 14.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

1347

Swiss Prot

P14406

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 33-115 of human COX7A2 (NP_001856.2).

Synonyms

VIIAL; COX7AL; COX7AL1; COXVIIAL; COXVIIa-L; COX7A2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

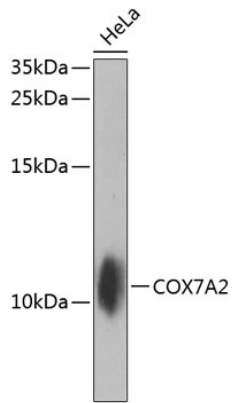
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of HeLa cells, using COX7A2 antibody (A8406) at 1:1000 dilution.
Secondary antibody: HRP 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: 10s.