

MTCO1 Rabbit mAb

Catalog No.: A29443 **Recombinant**

Basic Information

Observed MW

32 kDa

Calculated MW

57 kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC4146

Background

Contributes to cytochrome-c oxidase activity. Predicted to be involved in aerobic respiration; positive regulation of vasoconstriction; and respiratory electron transport chain. Located in mitochondrial membrane. Part of respiratory chain complex IV.

Recommended Dilutions

WB 1:200000 - 1:2000000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

4512

Swiss Prot

P00395

Immunogen

This information is considered to be commercially sensitive.

Synonyms

COI; MTCO1; COX1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

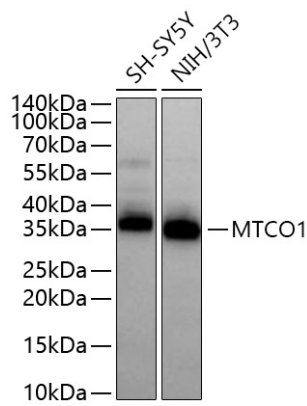
Affinity purification

Storage

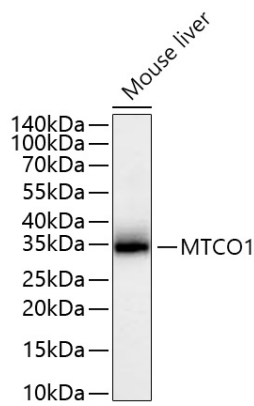
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

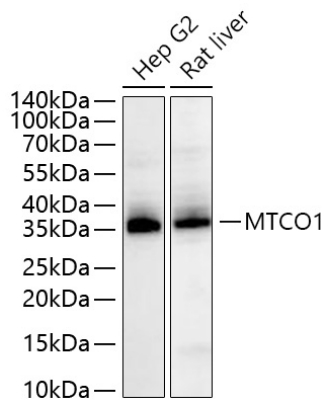
Validation Data



Western blot analysis of various lysates using MTCO1 Rabbit mAb (A29443) at 1:700000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Western blot analysis of lysates from Mouse liver using MTCO1 Rabbit mAb (A29443) at 1:2000000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



Western blot analysis of various lysates using MTCO1 Rabbit mAb (A29443) at 1:2000000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.