

A24805

Leader in Biomolecular Solutions for Life Science



MTCO1 Rabbit mAb

Catalog No.: A24805

Recombinant

3 Publications

Basic Information

Observed MW

37 kDa

Calculated MW

57 kDa

Category

Monoclonal Antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human

Clone number

ARC59941

Background

Enables cytochrome-c oxidase activity. Predicted to be involved in electron transport coupled proton transport; mitochondrial electron transport, cytochrome c to oxygen; and response to oxidative stress. Located in mitochondrial inner membrane. Part of mitochondrial respiratory chain complex IV. Is expressed in several structures, including brown fat; heart; liver; metanephros; and skeletal muscle. Orthologous to human MT-CO1 (mitochondrially encoded cytochrome c oxidase I).

Recommended Dilutions

WB 1:1000 - 1:3000

IHC-P 1:200 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4512

Swiss Prot
P00395

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

CoxI; COX1; MTCO1

Contact

 www.abclonal.com

Product Information

Source
Rabbit

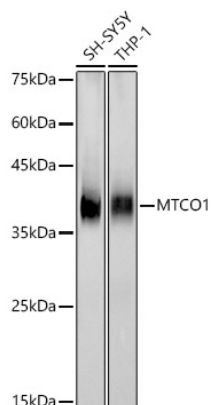
Isotype
IgG

Purification
Affinity purification

Storage

Store at -20°C

Validation Data



Western blot analysis of various lysates, using MTCO1 Rabbit mAb (A24805) at 1:1000 dilution.

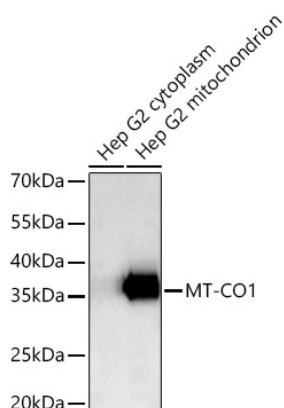
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Western blot analysis of lysates from Hep G2 cells using MTCO1 Rabbit mAb (A24805) at 1:1000 dilution incubated overnight at 4°C. Mitochondrion and Cytoplasm extracts derived from Hep G2 cells.

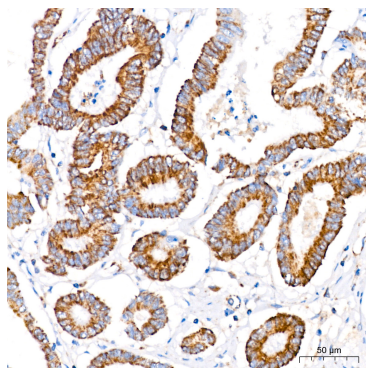
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

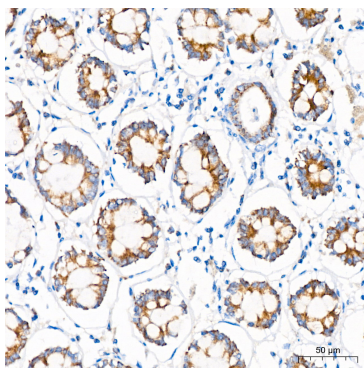
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

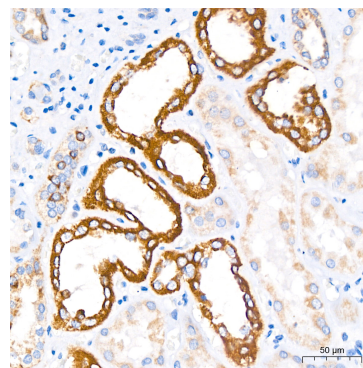
Exposure time: 20s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using MTCO1 Rabbit mAb (A24805) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

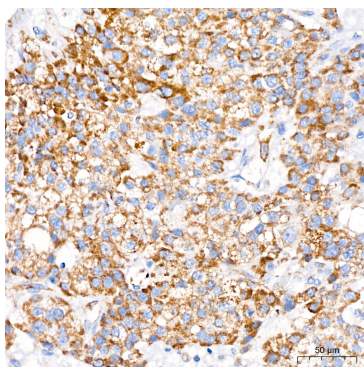


Immunohistochemistry analysis of paraffin-embedded Human colon tissue using MTCO1 Rabbit mAb (A24805) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using MTCO1 Rabbit mAb (A24805) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using MTCO1 Rabbit mAb (A24805) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.