

MTCO1 Rabbit pAb

Catalog NO.: A17889 **25 Publications**

Basic Information

Observed MW

40 kDa/37 kDa

Calculated MW

57 kDa

Category

Polyclonal Antibodies

Applications

WB, IF/ICC, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Contributes to cytochrome-c oxidase activity. Predicted to be involved in electron transport coupled proton transport and mitochondrial electron transport, cytochrome c to oxygen. Part of mitochondrial respiratory chain complex III and mitochondrial respiratory chain complex IV.

Recommended Dilutions

WB 1:500 - 1:3000

IF/ICC 1:50 - 1:200

IHC-P 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	Swiss Prot
4512	P00395

Immunogen

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

Synonyms

COI; MTCO1; COX1

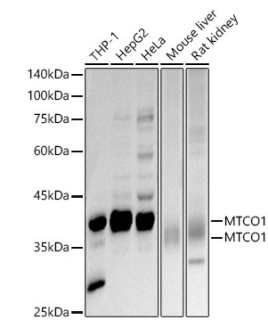
Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis),pH7.3.		

Validation Data



Western blot analysis of various lysates using MTCO1 Rabbit pAb (A17889) at 1:1000 dilution.

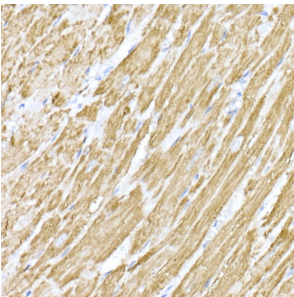
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

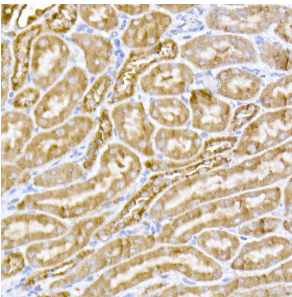
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

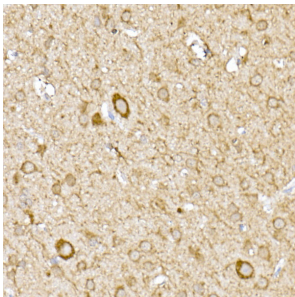
Exposure time: 30s.



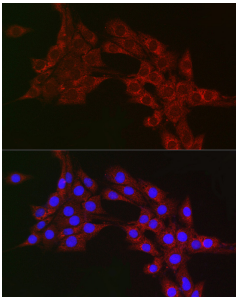
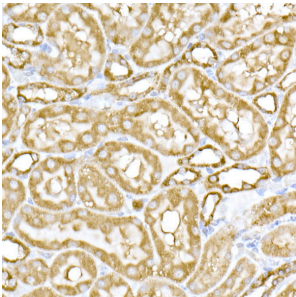
Immunohistochemistry analysis of paraffin-embedded Mouse heart using MTCO1 Rabbit pAb (A17889) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using MTCO1 Rabbit pAb (A17889) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using MTCO1 Rabbit pAb (A17889) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using MTCO1 Rabbit pAb (A17889) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Immunofluorescence analysis of PC-12 cells using MTCO1 Rabbit pAb (A17889) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.