# MTCO2 Rabbit mAb

Catalog No.: A3843 Recombinant 3 Publications



### **Basic Information**

#### **Observed MW**

19kDa

### **Calculated MW**

26kDa

### Category

Primary antibody

### **Applications**

WB,IF/ICC,IF-P,IHC-P,ELISA

### **Cross-Reactivity**

Human

#### CloneNo number

ARC0844

## **Background**

Contributes to cytochrome-c oxidase activity. Predicted to be involved in mitochondrial electron transport, cytochrome c to oxygen and positive regulation of vasoconstriction. Located in mitochondrial inner membrane. Part of respiratory chain complex IV. Biomarker of Huntington's disease and stomach cancer.

## **Recommended Dilutions**

WB	1:1000 - 1:6000
IF/ICC	1:200 - 1:800
IF-P	1:200 - 1:800
IHC-P	1:200 - 1:800

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

## **Immunogen Information**

Gene ID	<b>Swiss Prot</b>
4513	P00403

### **Immunogen**

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

### **Synonyms**

COII; MTCO2; COX2

## **Contact**

<b>a</b>	400-999-6126
<b>×</b>	cn.market@abclonal.com.cn
	www.abclonal.com.cn

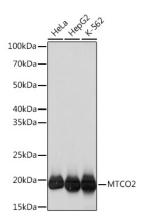
## **Product Information**

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

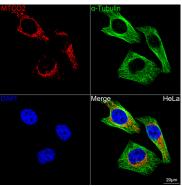


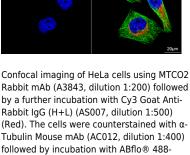
Western blot analysis of various lysates using MTCO2 Rabbit mAb (A3843) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



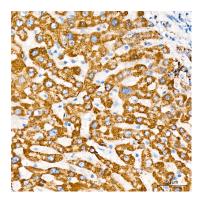


conjugated Goat Anti-Mouse IgG (H+L) Ab

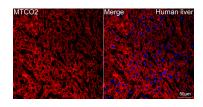
(AS076, dilution 1:500) (Green). DAPI was

used for nuclear staining (Blue). Objective:

100x.



Immunohistochemistry analysis of paraffinembedded Human liver tissue using MTCO2 Rabbit mAb (A3843) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human liver tissue using MTCO2 Rabbit mAb (A3843, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffinembedded Human brain tissue using MTCO2 Rabbit mAb (A3843) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.