

A11522

Leader in Biomolecular Solutions for Life Science



MTCO2 Rabbit pAb

Catalog No.: A11522 **8 Publications**

Basic Information

Observed MW

23kDa

Calculated MW

26kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Mouse,Rat

Background

Predicted to enable copper ion binding activity and oxidoreductase activity. Predicted to contribute to cytochrome-c oxidase activity. Predicted to be involved in ATP synthesis coupled electron transport; positive regulation of cellular biosynthetic process; and positive regulation of necrotic cell death. Located in mitochondrion. Is expressed in embryo; epiblast; heart; liver; and metanephros. Orthologous to several human genes including MTCO2P12 (MT-CO2 pseudogene 12).

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:100 - 1:500

IF/ICC 1:50 - 200

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

Immunogen Information

Gene ID

17709

Swiss Prot

P00403

Immunogen

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

Synonyms

COX2; MTCO2

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

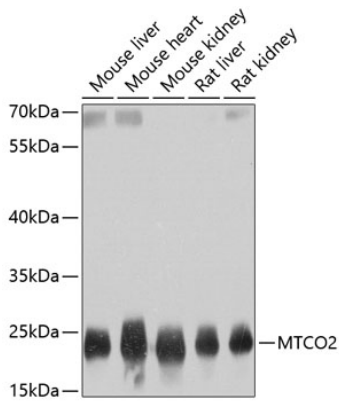
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Contact

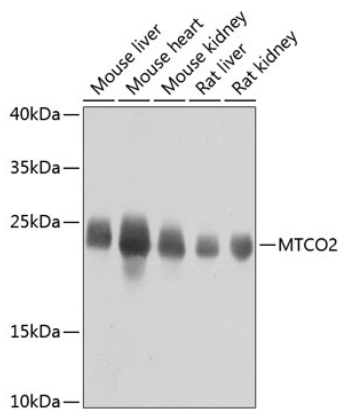


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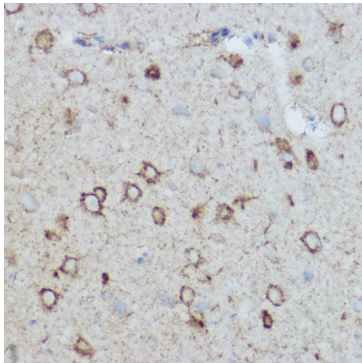
Validation Data



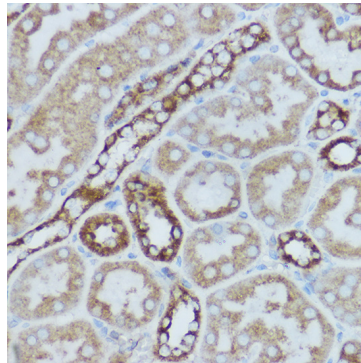
Western blot analysis of various lysates using MTCO2 Rabbit pAb (A11522) at 1:800 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



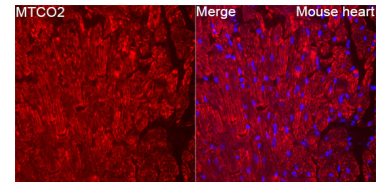
Western blot analysis of various lysates using MTCO2 Rabbit pAb (A11522) at 1:800 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 15s.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using MTCO2 Rabbit pAb (A11522) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

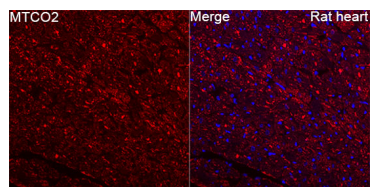


Immunohistochemistry analysis of paraffin-embedded Rat kidney using MTCO2 Rabbit pAb (A11522) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of Mouse heart tissue using MTCO2 Rabbit pAb (A11522) at a 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. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.

Validation Data



Immunofluorescence analysis of Rat heart tissue using MTCO2 Rabbit pAb (A11522) at a 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. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.