

# MT-CYB Rabbit pAb

Catalog No.: A9762 **11 Publications**

## Basic Information

### Observed MW

43 kDa

### Calculated MW

43 kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Mouse, Rat

## Background

Predicted to enable metal ion binding activity and ubiquinol-cytochrome-c reductase activity. Predicted to be involved in several processes, including electron transport coupled proton transport; mitochondrial electron transport, ubiquinol to cytochrome c; and response to glucagon. Located in membrane and mitochondrion. Is integral component of mitochondrial inner membrane. Human ortholog(s) of this gene implicated in ovarian carcinoma and urinary bladder cancer. Orthologous to human MT-CYB (mitochondrially encoded cytochrome b).

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:100 - 1:400

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

## Immunogen Information

### Gene ID

17711

### Swiss Prot

P00158

### Immunogen

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

### Synonyms

CYTB; MT-CYB

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

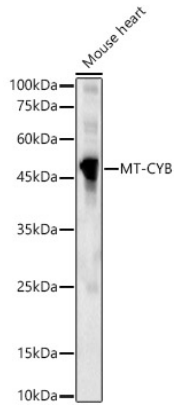
Affinity purification

### Storage

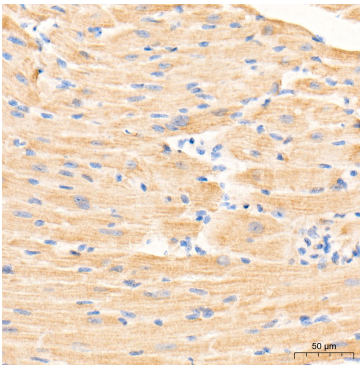
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis),pH7.3.

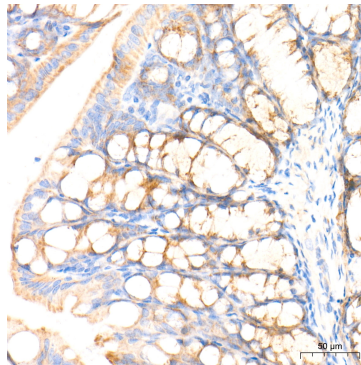
## Validation Data



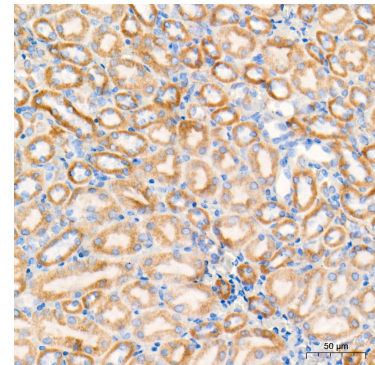
Western blot analysis of lysates from Mouse heart, using MT-CYB Rabbit pAb (A9762) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using MT-CYB Rabbit pAb (A9762) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using MT-CYB Rabbit pAb (A9762) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using MT-CYB Rabbit pAb (A9762) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with prior to IHC staining.