

# [KO Validated] MCU Rabbit mAb

Catalog No.: A22525

**KO Validated**

**Recombinant**

**3 Publications**

## Basic Information

### Observed MW

35kDa

### Calculated MW

40kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC57879

## Background

Enables calcium channel activity; identical protein binding activity; and uniporter activity. Involved in several processes, including positive regulation of mitochondrial calcium ion concentration; positive regulation of mitochondrial fission; and positive regulation of neutrophil chemotaxis. Acts upstream of or within calcium import into the mitochondrion. Located in mitochondrial inner membrane. Is integral component of mitochondrial inner membrane. Part of uniplex complex.

## Recommended Dilutions

**WB** 1:10000 - 1:20000

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

## Immunogen Information

### Gene ID

90550

### Swiss Prot

Q8NE86

### Immunogen

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

### Synonyms

HsMCU; C10orf42; CCDC109A; CU

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

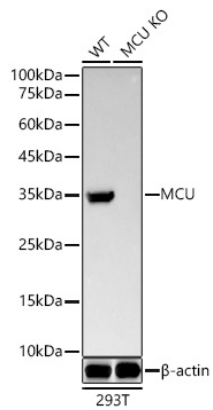
Affinity purification

### Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and MCU knockout (KO) 293T (KO) cells, using [KO Validated] MCU Rabbit mAb (A22525) at 1:20000 dilution.

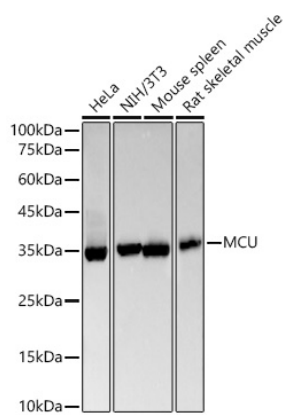
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25  $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of various lysates, using [KO Validated] MCU Rabbit mAb (A22525) at 1:20000 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: 90s.