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[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

400-999-6126

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Product Information

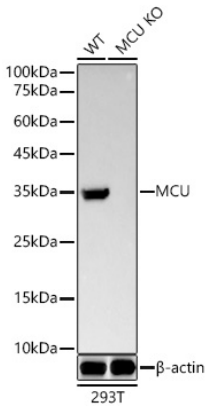
Source
Rabbit

Isotype
IgG

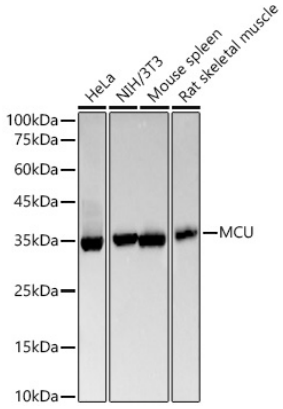
Purification
Affinity purification

Storage
Store at -20℃. 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) at1:20000 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.



Western blot analysis of various lysates, using [KO Validated] MCU Rabbit mAb (A22525) at1:20000 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.