

Rabbit MCU Polyclonal Antibody | anti-MCU antibody

MCU Rabbit pAb

CATALOG # AAA281641	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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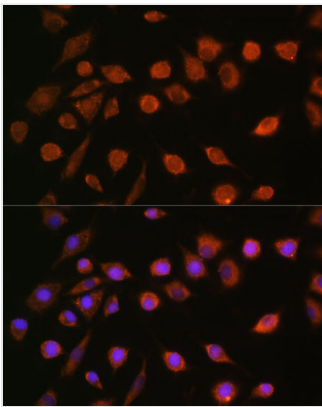
PRODUCT SYNONYMS

MCU; Polyclonal Antibody; MCU Rabbit pAb; C10orf42; CCDC109A; HsMCU; anti-MCU antibody

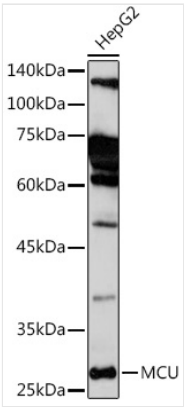
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MAAAAGRSLL LLLSSRGGGG GGAGGCGALT AGCFPGLGVS RHRQQQHHRT VHQRIASWQN LGAVYCSTVV PSDDVTVVYQ NGLPVISVRL PSRRERCQFT LKPISDSVGV FLRQLQEEDR GIDRVAIYSP DGVRVAASTG IDLILLDDFK LVINDLTYHV RPPKRDLLSH ENAATLNDVK TLVQQLYTTL CIEQHQLNKE RELIERLEDL KEQLAPLEKV RIEISRKA EK RTTLVLWGGL AYMATQFGIL ARLTWWEYSW DIMEPVTYFI TYGSAMAMYA YFVMTRQEYV YPEARDRQYL LFFHKGAKKS RFDLEKYNQL KDAIAQAEMD LKRLRDPLQV HLPLRQIGEK D
Applicable Applications for anti-MCU antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-351 of human MCU (NP_612366.1).
Positive Samples	HepG2
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of L929 cells using MCU antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of HepG2 cells, using MCU Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-MCU antibody	Background: This gene encodes a calcium transporter that localizes to the mitochondrial inner membrane. The encoded protein interacts with mitochondrial calcium uptake 1. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-MCU antibody	Endocrine & Metabolism; Mitochondrial metabolism; Mitochondrial markers; Research; Cardiovascular; Heart; Cardiac metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	398303803
NCBI GeneID	90550
NCBI Accession #	NP_001257608.1
NCBI GenBank Nucleotide #	NM_001270679.1
UniProt Accession #	Q8NE86; Q96FL3; B2RDF3; B3KXV7
Molecular Weight	39,867 Da
NCBI Official Full Name	calcium uniporter protein, mitochondrial isoform 2
NCBI Official Synonym Full Names	mitochondrial calcium uniporter
NCBI Official Symbol	MCU
NCBI Official Synonym Symbols	C10orf42; CCDC109A
NCBI Protein Information	calcium uniporter protein, mitochondrial; coiled-coil domain-containing protein 109A
UniProt Protein Name	Calcium uniporter protein, mitochondrial
UniProt Gene Name	MCU
UniProt Synonym Gene Names	C10orf42; CCDC109A
UniProt Entry Name	MCU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

