

MCU rabbit monoclonal antibody

Catalog # H00090550-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human MCU peptide using ARM Technology.
Immunogen	A synthetic peptide of human MCU is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human MCU peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — MCU

Entrez GeneID [90550](#)

GeneBank Accession# [MCU](#)

Gene Name MCU

Gene Alias C10orf42, CCDC109A

Gene Description mitochondrial calcium uniporter

Gene Ontology [Hyperlink](#)

Gene Summary mitochondrial; coiled-coil domain-containing protein 109A

Other Designations calcium uniporter protein, mitochondrial; coiled-coil domain-containing protein 109A

Publication Reference

- [Mitochondrial Targeted Peptides Preserve Mitochondrial Organization and Decrease Reversible Myocardial Changes in Early Swine Metabolic Syndrome.](#)

Yuan F, Woollard JR, Jordan KL, Lerman A, Lerman LO, Eirin A.

Cardiovascular Research 2018 Mar; 114(3):431.

Application: WB, Pig, Pig myocardial mitochondria