

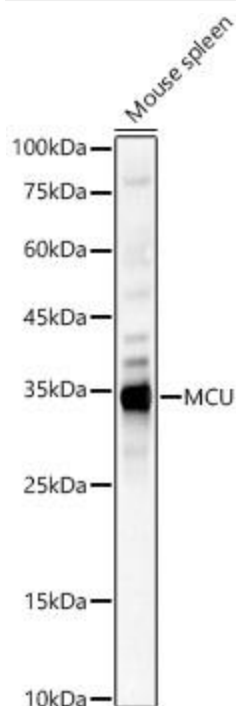


MCU Mouse mAb

Catalog No	YP-mAb-18583
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 51-170 of human MCU (NP_612366.1).
Specificity	
Formulation	
Source	Monoclonal,Mouse,IgG
Purification	Affinity purification
Dilution	WB 1:1000 - 1:5000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HsMCU;C10orf42;CCDC109A;MCU
Observed Band	35 kDa
Calculated Molecular Weight	40 kDa/35 kDa/37 kDa
Cell Pathway	mitochondrial inner membrane, mitochondrion.
Tissue Specificity	
Function	
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
matters needing attention	Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western blot analysis of Mouse spleen, using MCU Mouse pAb (A21753) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Mouse 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: 30s.