



CCDC109B Mouse mAb

Catalog No	YP-mAb-18593
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CCDC109B
Immunogen	Synthesized peptide derived from human CCDC109B
Specificity	This antibody detects endogenous levels of CCDC109B at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CCDC109B;MCUb;Coiled-coil domain-containing protein 109B
Observed Band	40-45 kDa
Calculated Molecular Weight	336 aa, 39 kDa
Cell Pathway	
Tissue Specificity	Mitochondrion inner membrane ; Multi-pass membrane protein .
Function	Negatively regulates the activity of MCU, the mitochondrial inner membrane calcium uniporter, and thereby modulates calcium uptake into the mitochondrion. Does not form functional calcium channels by itself. Mitochondrial calcium homeostasis plays key roles in cellular physiology and regulates cell bioenergetics, cytoplasmic calcium signals and activation of cell death pathways.
Background	
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 various lysates using NADK Mouse pAb (A9111) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.