

C109B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12355b**Specification**

C109B Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9NWR8](#)
Other Accession [NP_060388.2](#)

C109B Antibody (C-term) Blocking peptide - Additional Information

Gene ID 55013

Other Names

Calcium uniporter regulatory subunit MCUB, mitochondrial, MCUB, Coiled-coil domain-containing protein 109B, CCDC109B, MCUB

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

C109B Antibody (C-term) Blocking peptide - Protein Information

Name MCUB {ECO:0000303|PubMed:24231807, ECO:0000312|HGNC:HGNC:26076}

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.

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

C109B Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

C109B Antibody (C-term) Blocking peptide - Images

C109B Antibody (C-term) Blocking peptide - References

Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010) Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009) Lamesch, P., et al. Genomics 89(3):307-315(2007) Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)