

Mouse Cabc1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16067c**Specification**

Mouse Cabc1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q60936](#)**Mouse Cabc1 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 67426

Other Names

Chaperone activity of bc1 complex-like, mitochondrial, Chaperone-ABC1-like, 2711-, aarF domain-containing protein kinase 3, Adck3, Cabc1

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.

Mouse Cabc1 Antibody (Center) Blocking Peptide - Protein Information

Name Coq8a {ECO:0000250|UniProtKB:Q8NI60}

Function

Atypical kinase involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration (PubMed:27499294). Its substrate specificity is unclear: does not show any protein kinase activity (PubMed:27499294). Probably acts as a small molecule kinase, possibly a lipid kinase that phosphorylates a prenyl lipid in the ubiquinone biosynthesis pathway, as suggested by its ability to bind coenzyme Q lipid intermediates (By similarity). Shows an unusual selectivity for binding ADP over ATP (By similarity).

Cellular Location

Mitochondrion {ECO:0000250|UniProtKB:Q8NI60}. Membrane; Single-pass membrane protein {ECO:0000250|UniProtKB:Q8NI60, ECO:0000255}

Tissue Location

Present in various tissues (at protein level).

Mouse Cabc1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Cabc1 Antibody (Center) Blocking Peptide - Images

Mouse Cabc1 Antibody (Center) Blocking Peptide - Background

Cabc1 may be a chaperone-like protein essential for the proper conformation and functioning of protein complexes in the respiratory chain.

Mouse Cabc1 Antibody (Center) Blocking Peptide - References

Pagliarini, D.J., et al. Cell 134(1):112-123(2008)Garcia-Frigola, C., et al. Brain Res. Mol. Brain Res. 122(2):133-150(2004)