

**Mouse Cabc1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16067c**

## Specification

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### Mouse Cabc1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	<a href="#">Q60936</a>
Other Accession	<a href="#">Q5BJO0</a> , <a href="#">NP_075830.2</a> , <a href="#">NP_001156762.1</a>
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	71743
Antigen Region	396-423

### Mouse Cabc1 Antibody (Center) - 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

#### Target/Specificity

This Mouse Cabc1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 396-423 amino acids from the Central region of mouse Cabc1.

#### Dilution

WB~~1:1000

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Mouse Cabc1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### Mouse Cabc1 Antibody (Center) - 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

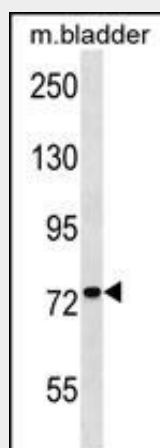
Present in various tissues (at protein level).

### Mouse Cabc1 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Mouse Cabc1 Antibody (Center) - Images



Mouse Cabc1 Antibody (Center) (Cat. #AP16067c) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the Cabc1 antibody detected the Cabc1 protein (arrow).

### Mouse Cabc1 Antibody (Center) - 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) - 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)