

## DATASHEET

# CABC1 Mouse Monoclonal Antibody(C3953)

CAT. NO. AMA03565

### KEY FEATURES

Target	CABC1	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Supplied in crude ascites with 0.01% sodium azide.	Storage	at-20°C

### BACKGROUND

Atypical kinase involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration . Its substrate specificity is still unclear: may act as a protein kinase that mediates phosphorylation of COQ3 . According to other reports, 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 . However, the small molecule kinase activity was not confirmed by another publication . Shows an unusual selectivity for binding ADP over ATP .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:4000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

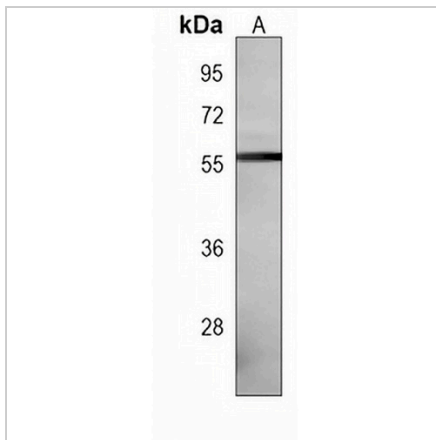
Description	Mouse monoclonal antibody to CABC1
Specificity	Recognizes endogenous levels of CABC1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CABC1. The exact sequence is proprietary.
Molecular Weight	Predicted: 71 kD; Observed: 58 kD
Form/Buffer	Mouse IgG1 kappa. Supplied in crude ascites with 0.01% sodium azide.
Alternative Names	CABC1; Chaperone activity of bc1 complex-like, mitochondrial; Chaperone-ABC1-like; aarF domain-containing protein kinase 3
Gene Symbol	ADCK3
Entrez Gene	56997(Human)
SwissProt	Q8NI60(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of CABC1 expression in Widr (A) whole cell lysates. (Predicted band size: 71 kD; Observed band size: 58 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.