

**Anti-ADCK3 / CABC1 Antibody (Internal)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18439****Specification**

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**Anti-ADCK3 / CABC1 Antibody (Internal) - Product Information**

Application	WB, IHC-P, IF, ICC
Primary Accession	<a href="#">Q8NI60</a>
Predicted	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71950

**Anti-ADCK3 / CABC1 Antibody (Internal) - Additional Information****Gene ID** 56997**Alias Symbol** ADCK3**Other Names**

ADCK3, Chaperone-ABC1-like, SCAR9, ARCA2, CABC1, Coenzyme Q8 homolog, COQ10D4, COQ8

**Target/Specificity**

Recognizes endogenous levels of CABC1 protein.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-ADCK3 / CABC1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-ADCK3 / CABC1 Antibody (Internal) - Protein Information****Name** COQ8A {ECO:0000303|PubMed:27499294, ECO:0000312|HGNC:HGNC:16812}**Function**

Atypical kinase involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration (PubMed:<a href="http://www.uniprot.org/citations/21296186" target="\_blank">21296186</a>, PubMed:<a href="http://www.uniprot.org/citations/25498144" target="\_blank">25498144</a>, PubMed:<a href="http://www.uniprot.org/citations/25540914" target="\_blank">25540914</a>, PubMed:<a href="http://www.uniprot.org/citations/27499294" target="\_blank">27499294</a>). Its substrate specificity is unclear: does not show any protein kinase activity (PubMed:<a href="http://www.uniprot.org/citations/25498144" target="\_blank">25498144</a>, PubMed:<a href="http://www.uniprot.org/citations/27499294" target="\_blank">27499294</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/25498144" target="\_blank">25498144</a>)

target="\_blank">25498144</a>, PubMed:<a href="http://www.uniprot.org/citations/27499294" target="\_blank">27499294</a>). Shows an unusual selectivity for binding ADP over ATP (PubMed:<a href="http://www.uniprot.org/citations/25498144" target="\_blank">25498144</a>).

**Cellular Location**

Mitochondrion. Membrane; Single-pass membrane protein {ECO:0000255, ECO:0000305|PubMed:25216398}

**Tissue Location**

Widely expressed, with highest levels in adrenal gland, heart, pancreas, nasal mucosa, stomach, uterus and skeletal muscle.

**Anti-ADCK3 / CABC1 Antibody (Internal) - 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](#)

**Anti-ADCK3 / CABC1 Antibody (Internal) - Images**