

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

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

Application	WB, IHC-P, IF, ICC
Primary Accession	Q8NI60
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:21296186, PubMed:25498144, PubMed:25540914, PubMed:27499294). Its substrate specificity is unclear: does not show any protein kinase activity (PubMed:25498144, 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 (PubMed:25498144)

target="_blank">25498144, PubMed:27499294). Shows an unusual selectivity for binding ADP over ATP (PubMed:25498144).

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