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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**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **IF~~1:50~200** **ICC~~N/A**

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, PubMed:36302899, PubMed:38425362). Its substrate

specificity is still unclear: may act as a protein kinase that mediates phosphorylation of COQ3 (By similarity). 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 (PubMed:25498144, PubMed:27499294). However, the small molecule kinase activity was not confirmed by another publication (By similarity). 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 Cytomety
- Cell Culture

Anti-ADCK3 / CABC1 Antibody (Internal) - Images