

# Anti-ADCK3 / CABC1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18439

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC
<b>Primary Accession</b>	<a href="#">Q8NI60</a>
<b>Predicted</b>	Human, Mouse, Rat, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	71950
<b>Concentration (mg/ml)</b>	1 mg/ml

## Additional Information

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<b>Gene ID</b>	56997
<b>Alias Symbol</b>	ADCK3
<b>Other Names</b>	ADCK3, Chaperone-ABC1-like, SCAR9, ARCA2, CABC1, Coenzyme Q8 homolog, COQ10D4, COQ8
<b>Target/Specificity</b>	Recognizes endogenous levels of CABC1 protein.
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-ADCK3 / CABC1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	COQ8A {ECO:0000303   PubMed:27499294, ECO:0000312   HGNC:HGNC:16812}
<b>Function</b>	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="#">21296186</a> , PubMed: <a href="#">25498144</a> , PubMed: <a href="#">25540914</a> , PubMed: <a href="#">27499294</a> , PubMed: <a href="#">36302899</a> , PubMed: <a href="#">38425362</a> ). 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: <a href="#">25498144</a> , PubMed: <a href="#">27499294</a> ). However, the small molecule kinase activity was not confirmed by another publication (By similarity). Shows an unusual selectivity for binding ADP over ATP (PubMed: <a href="#">25498144</a> ).

<b>Cellular Location</b>	Mitochondrion membrane; Single-pass membrane protein {ECO:0000255, ECO:0000305   PubMed:25216398}
<b>Tissue Location</b>	Widely expressed, with highest levels in adrenal gland, heart, pancreas, nasal mucosa, stomach, uterus and skeletal muscle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.