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Anti-ADCK3 / CABC1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18439

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	Q8NI60
Predicted	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71950
Concentration (mg/ml)	1 mg/ml

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.

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.

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