

CABC1 Polyclonal Antibody
Catalog # AP68766**Specification****CABC1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	Q8NI60
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

CABC1 Polyclonal Antibody - Additional Information**Gene ID** 56997**Other Names**

ADCK3; CABC1; PP265; Chaperone activity of bc1 complex-like; mitochondrial; Chaperone-ABC1-like; aarF domain-containing protein kinase 3

DilutionWB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
IHC-P~~N/A
IF~~1:50~200**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CABC1 Polyclonal Antibody - 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:<a

<http://www.uniprot.org/citations/25498144>, PubMed:<<http://www.uniprot.org/citations/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:<<http://www.uniprot.org/citations/25498144>>).

Cellular Location

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

Tissue Location

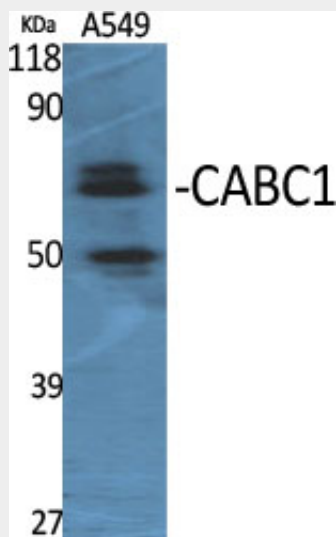
Widely expressed, with highest levels in adrenal gland, heart, pancreas, nasal mucosa, stomach, uterus and skeletal muscle.

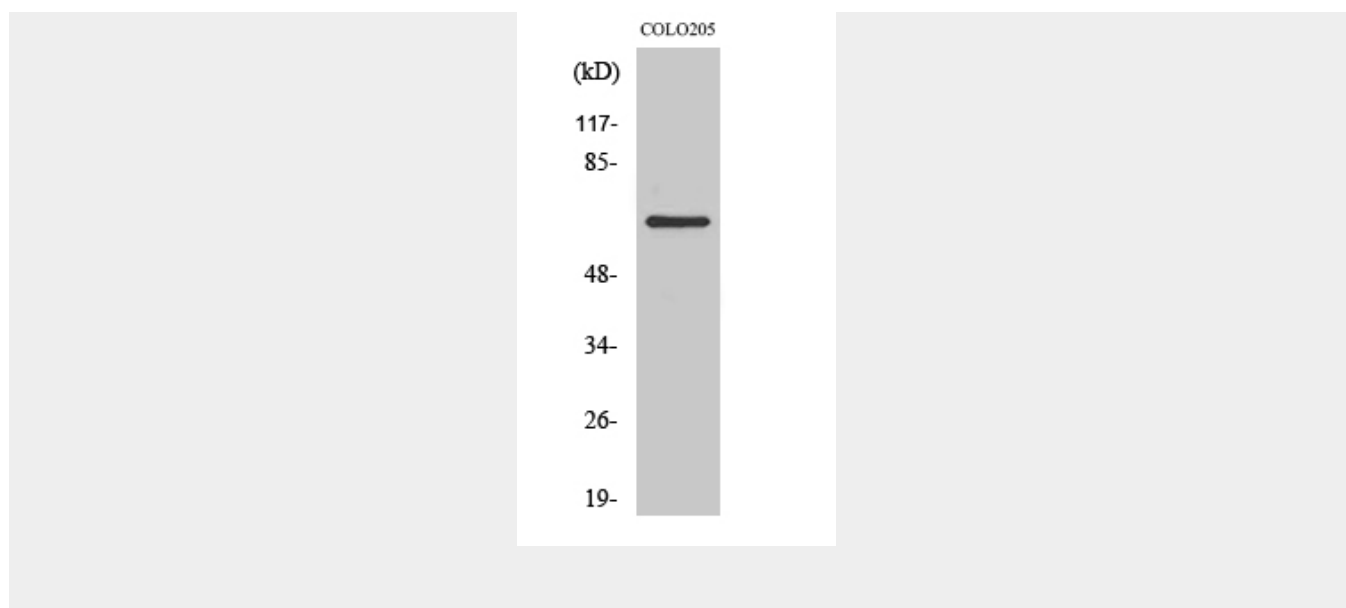
CABC1 Polyclonal Antibody - Protocols

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](#)

CABC1 Polyclonal Antibody - Images





CABC1 Polyclonal Antibody - Background

Atypical kinase involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration (PubMed:25498144, PubMed:21296186, 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, PubMed:27499294). Shows an unusual selectivity for binding ADP over ATP (PubMed:25498144).