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CABC1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50963

Specification

CABC1 Antibody - Product Information

Application	**WB**
Primary Accession	Q8NI60
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**72 KDa**
Antigen Region	**281 - 340**

CABC1 Antibody - Additional Information

Gene ID 56997

Other Names
Chaperone activity of bc1 complex-like, mitochondrial, Chaperone-ABC1-like, 2711-, aarF domain-containing protein kinase 3, ADCK3, CABC1

Target/Specificity
KLH conjugated synthetic peptide derived from human CABC1

Dilution
WB~~ 1:1000

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

CABC1 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: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).

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

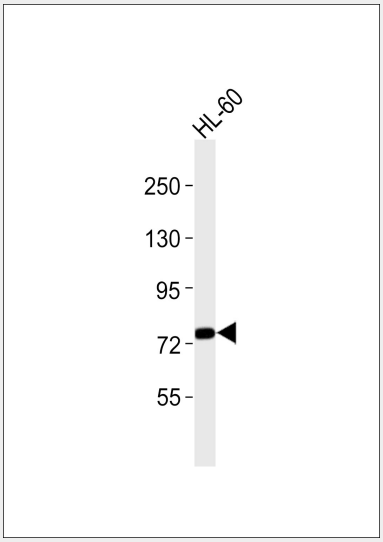
Tissue Location
Widely expressed, with highest levels in adrenal gland, heart, pancreas, nasal mucosa, stomach, uterus and skeletal muscle.

CABC1 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 Cytomety
- Cell Culture

CABC1 Antibody - Images



Anti-CABC1 Antibodyat 1:1000 dilution + HL-60 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 72 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

CABC1 Antibody - Background

Putative protein kinase involved in the biosynthesis of coenzyme Q since it is able to rescue

partially coenzyme Q6 biosynthesis of yeast COQ8 mutants. May be a chaperone-like protein essential for the proper conformation and functioning of protein complexes in the respiratory chain.

CABC1 Antibody - References

Iiizumi M.,et al.Cancer Res. 62:1246-1250(2002).
Ievolella C.,et al.Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
Wan D.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).