

COQ7 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP5880b

Specification

COQ7 Antibody (C-term) - Product Information

Application WB, IHC-P, FC,E

Primary Accession <u>Q99807</u>

Other Accession NP 057222.2, NP 001177912.1

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Rabbit
Polyclonal
Rabbit IgG
24277
Antigen Region
162-191

COQ7 Antibody (C-term) - Additional Information

Gene ID 10229

Other Names

Ubiquinone biosynthesis protein COQ7 homolog, Coenzyme Q biosynthesis protein 7 homolog, Timing protein clk-1 homolog, COQ7

Target/Specificity

This COQ7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-191 amino acids from the C-terminal region of human COQ7.

Dilution

WB~~1:1000 IHC-P~~1:50~100 FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

COQ7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

COQ7 Antibody (C-term) - Protein Information

Name COQ7 {ECO:0000255|HAMAP-Rule:MF_03194}



Tel: 858.875.1900 Fax: 858.875.1999

Function Catalyzes the hydroxylation of 2-polyprenyl-3-methyl-6- methoxy-1,4-benzoquinol (DMQH2) during ubiquinone biosynthesis (By similarity). Has also a structural role in the COQ enzyme complex, stabilizing other COO polypeptides (By similarity). Involved in lifespan determination in a ubiquinone-independent manner (By similarity). Plays a role in modulating mitochondrial stress responses, acting in the nucleus, perhaps via regulating gene expression, independent of its characterized mitochondrial function in ubiquinone biosynthesis (PubMed: 25961505).

Cellular Location

Mitochondrion inner membrane {ECO:0000255|HAMAP-Rule:MF 03194}; Peripheral membrane protein {ECO:0000255|HAMAP-Rule:MF_03194}; Matrix side {ECO:0000255|HAMAP-Rule:MF 03194} Mitochondrion. Nucleus. Chromosome

Tissue Location

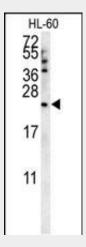
Expressed dominantly in heart and skeletal muscle.

COQ7 Antibody (C-term) - 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

COQ7 Antibody (C-term) - Images

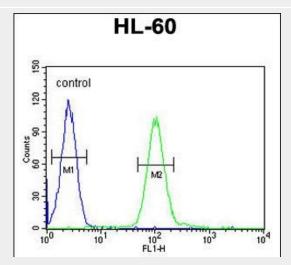


COQ7 Antibody (C-term) (Cat. #AP5880b) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the COQ7 antibody detected the COQ7 protein (arrow).





COQ7 Antibody (C-term) (Cat. #AP5880b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COQ7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



COQ7 Antibody (C-term) (Cat. #AP5880b) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.