

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	Q99807
Other Accession	NP_057222.2 , NP_001177912.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	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}

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 COQ 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

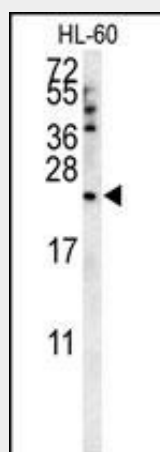
Expressed dominantly in heart and skeletal muscle.

COQ7 Antibody (C-term) - Protocols

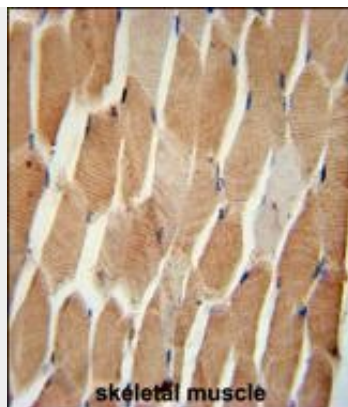
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

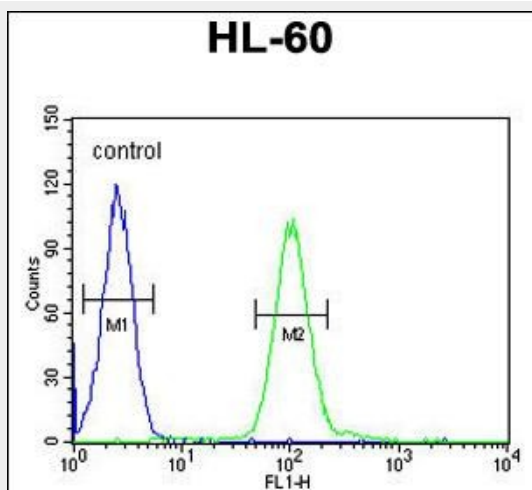
COQ7 Antibody (C-term) - Images



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.