

COQ7 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5880b**Specification**

COQ7 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O99807](#)
Other Accession [NP_057222.2](#), [NP_001177912.1](#)

COQ7 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 10229

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

COQ7 Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

COQ7 Antibody (C-term) Blocking peptide - Images