

COQ7 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55369**Specification**

COQ7 Polyclonal Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | IHC-P, IHC-F, IF, ICC |
| Primary Accession | Q99807 |
| Reactivity | Rat, Dog |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 24277 |

COQ7 Polyclonal Antibody - Additional Information**Gene ID** 10229**Other Names**

5-demethoxyubiquinone hydroxylase, mitochondrial {ECO:0000255|HAMAP-Rule:MF_03194}, DMQ hydroxylase {ECO:0000255|HAMAP-Rule:MF_03194}, 1.14.99.60 {ECO:0000255|HAMAP-Rule:MF_03194}, Timing protein clk-1 homolog {ECO:0000255|HAMAP-Rule:MF_03194}, Ubiquinone biosynthesis monooxygenase COQ7 {ECO:0000255|HAMAP-Rule:MF_03194}, COQ7 {ECO:0000255|HAMAP-Rule:MF_03194}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

COQ7 Polyclonal Antibody - 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 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](#)

COQ7 Polyclonal Antibody - Images