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COQ7 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15048

Specification

COQ7 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q99807
Other Accession	NM_001190983, NP_001177912
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Yeast, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**20kDa KDa**

COQ7 antibody - C-terminal region - Additional Information

Gene ID 10229

Alias Symbol	**CAT5, CLK-1, CLK1**

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

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-COQ7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
COQ7 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

COQ7 antibody - C-terminal region - 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:<a

href="http://www.uniprot.org/citations/25961505" target="_blank">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

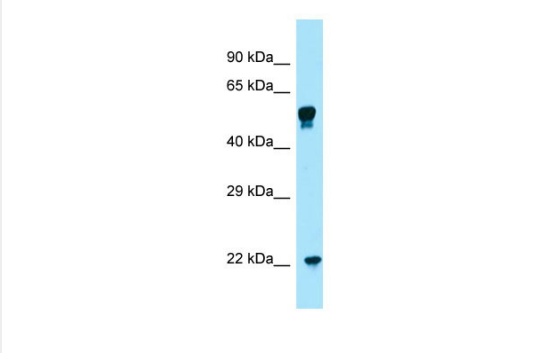
Tissue Location
Expressed dominantly in heart and skeletal muscle.

COQ7 antibody - C-terminal region - 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-terminal region - Images



Host: Rabbit
Target Name: COQ7
Antibody Dilution: 1.0µg/ml
Sample Tissue: THP-1 cell lysate

COQ7 antibody - C-terminal region - References

Asaumi S.,et al.Genomics 58:293-301(1999).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.