

COQ6 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11456a**Specification**

COQ6 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9Y2Z9
Other Accession	NP_872282.1 , NP_872286.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50870
Antigen Region	54-83

COQ6 Antibody (N-term) - Additional Information**Gene ID** 51004**Other Names**

Ubiquinone biosynthesis monooxygenase COQ6, 11413-, Coenzyme Q10 monooxygenase 6, COQ6

Target/Specificity

This COQ6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-83 amino acids from the N-terminal region of human COQ6.

Dilution

WB~~1:1000

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

COQ6 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

COQ6 Antibody (N-term) - Protein Information**Name** COQ6 {ECO:0000255|HAMAP-Rule:MF_03193}**Function** FAD-dependent monooxygenase required for the C5-ring hydroxylation during ubiquinone biosynthesis. Catalyzes the hydroxylation of 3-hexaprenyl-4-hydroxybenzoic acid

(HHB) to 3- hexaprenyl-4,5-dihydroxybenzoic acid (DHHB). The electrons required for the hydroxylation reaction may be funneled indirectly from NADPH via a ferredoxin/ferredoxin reductase system to COQ6 (By similarity). Is able to perform the deamination reaction at C4 of 3-hexaprenyl-4-amino-5- hydroxybenzoic acid (HHAB) to produce DHHB when expressed in yeast cells lacking COQ9, even if utilization of para-aminobenzoic acid (pABA) involving C4-deamination seems not to occur in bacteria, plants and mammals, where only C5 hydroxylation of HHB has been shown (PubMed:[26260787](#)).

Cellular Location

Mitochondrion inner membrane {ECO:0000255|HAMAP- Rule:MF_03193}; Peripheral membrane protein {ECO:0000255|HAMAP- Rule:MF_03193}; Matrix side {ECO:0000255|HAMAP-Rule:MF_03193}. Golgi apparatus {ECO:0000255|HAMAP-Rule:MF_03193}. Cell projection {ECO:0000255|HAMAP-Rule:MF_03193}. Note=Localizes to cell processes and Golgi apparatus in podocytes. {ECO:0000255|HAMAP-Rule:MF_03193}

Tissue Location

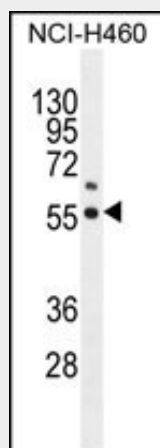
Widely expressed..

COQ6 Antibody (N-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](#)

COQ6 Antibody (N-term) - Images



COQ6 Antibody (N-term) (Cat. #AP11456a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the COQ6 antibody detected the COQ6 protein (arrow).

COQ6 Antibody (N-term) - References

Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)