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COQ6 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11456a

Specification

COQ6 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y2Z9
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}

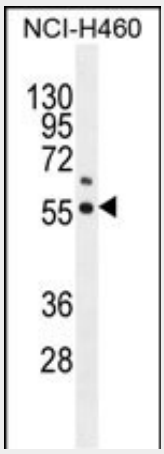
Tissue Location
Widely expressed..

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 Cytomety
- 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)