

COQ5 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9319c

Specification

COQ5 Antibody (Center) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q5HYK3
Other Accession	Q4G064 , Q9CXI0 , Q0P5A2
Reactivity	Human, Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37140
Antigen Region	213-241

COQ5 Antibody (Center) - Additional Information

Gene ID 84274

Other Names

2-methoxy-6-polyprenyl-1, 4-benzoquinol methylase, mitochondrial, Ubiquinone biosynthesis methyltransferase COQ5, COQ5

Target/Specificity

This COQ5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-241 amino acids from the Central region of human COQ5.

Dilution

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

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

COQ5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

COQ5 Antibody (Center) - Protein Information

Name COQ5 {ECO:0000255|HAMAP-Rule:MF_03191, ECO:0000312|HGNC:HGNC:28722}

Function Methyltransferase required for the conversion of 2-decaprenyl-6-methoxy-1,4-benzoquinol (DDMQH2) to 2-decaprenyl-3-methyl-6-methoxy-1,4-benzoquinol (DMQH2).

Cellular Location

Mitochondrion inner membrane {ECO:0000255|HAMAP-Rule:MF_03191, ECO:0000269|PubMed:25152161, ECO:0000269|PubMed:27499296, ECO:0000269|PubMed:35614220}; Peripheral membrane protein {ECO:0000255|HAMAP-Rule:MF_03191, ECO:0000269|PubMed:25152161}; Matrix side {ECO:0000255|HAMAP-Rule:MF_03191, ECO:0000269|PubMed:25152161}

Tissue Location

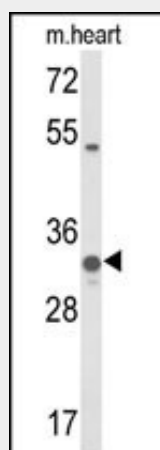
Widely expressed, with highest levels in liver, lung, placenta and skeletal muscle.

COQ5 Antibody (Center) - Protocols

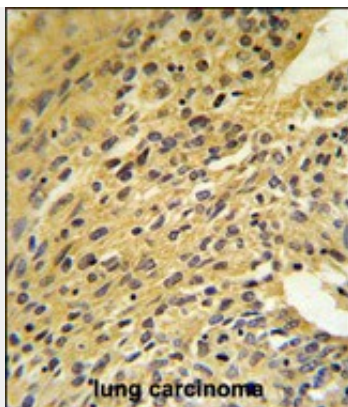
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COQ5 Antibody (Center) - Images



Western blot analysis of COQ5 Antibody (Center) (Cat. #AP9319c) in mouse heart tissue lysates (35ug/lane). COQ5 (arrow) was detected using the purified Pab.



COQ5 Antibody (Center) (Cat. #AP9319c) IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COQ5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

COQ5 Antibody (Center) - References

Suzuki,Y., et.al., Genome Res. 14 (9), 1711-1718 (2004)