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COQ5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9319c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q5HYK3
Other Accession	Q4G064, Q9CXI0, Q0P5A2
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23253
Calculated MW	37140
Antigen Region	213-241

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	WB~~1:1000 IHC-P~~1:100~500 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.

Protein Information

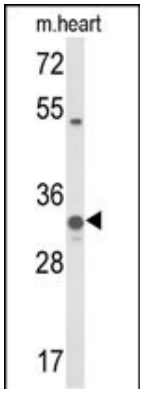
Name	COQ5 {ECO:0000255|HAMAP-Rule:MF_03191, ECO:0000312|HGNC:HGNC:28722}
Function	Methyltransferase required for the conversion of 2-

	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.

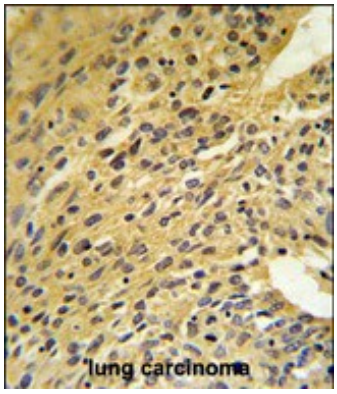
References

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

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.