

COQ5 Rabbit pAb

Catalog # AP99219

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q5HYK3
Other Accession	Q5HYK3
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37140
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human COQ5
Epitope Specificity	231-327/327
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the methyltransferase superfamily. UbiE family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	84274
Other Names	COQ10D9; 1810014G04Rik; D5ErtD33e; COQ5_HUMAN; COQ5; Ubiquinone biosynthesis methyltransferase COQ5; 2.1.1.201; COQ5_MOUSE; coenzyme Q5, methyltransferase; coenzyme Q5 homolog, methyltransferase (yeast); coenzyme Q5 homolog, methyltransferase (S. cerevisiae); 2-methoxy-6-polyprenyl-1, 4-benzoquinol methylase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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