10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# COQ5 Rabbit pAb

Catalog # AP99219

## Product Information

| | |
|---|---|
| **Application** | IHC-P, IHC-F, IF, E |
| **Primary Accession** | Q5HYK3 |
| **Other Accession** | Q5HYK3 |
| **Predicted** | Rat, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep |
| **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'.