

## Rabbit COQ2 Polyclonal Antibody | anti-COQ2 antibody

COQ2 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                         | APPLICATIONS |
|-----------|--------|--------------------------------------------------------------------|--------------|
| AAA199778 | Rabbit | Dog, Goat, Horse, Human, Mouse, Pig, Rabbit, Rat, Yeast, Zebrafish | Western Blot |

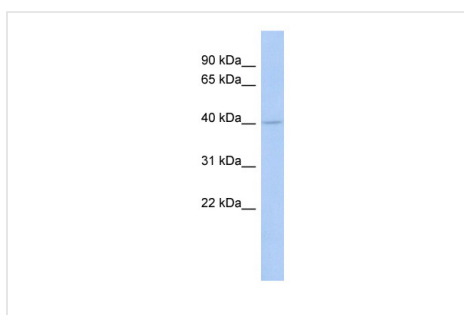
### PRODUCT SYNONYMS

COQ2; Polyclonal Antibody; COQ2 antibody - middle region; anti-COQ2 antibody

### PRODUCT SPECIFICATIONS

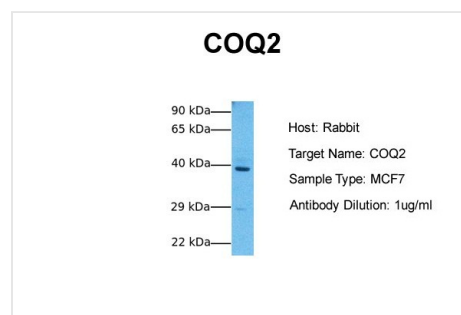
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Dog, Goat, Horse, Human, Mouse, Pig, Rabbit, Rat, Yeast, Zebrafish                                                                                    |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: FS GVMWTLIYDT IYAHQDKRDD VLIGLKSTAL RFGENTKPWL SGFSVAML                                                  |
| Sequence Length                                | 384                                                                                                                                                   |
| Applicable Applications for anti-COQ2 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                       | Dog: 93%; Goat: 79%; Horse: 79%; Human: 100%; Mouse: 86%; Pig: 86%; Rabbit: 93%; Rat: 86%; Yeast: 91%; Zebrafish: 86%                                 |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human COQ2                                                                 |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-COQ2 Antibody Titration: 0.2-1 ug/ml  
 ELISA Titer: 1:12500  
 Positive Control: DU145 cell lysate  
 COQ2 is supported by BioGPS gene expression data to be expressed in DU145



#### WB (Western Blot)

Host: Rabbit  
 Target Name: COQ2  
 Sample Tissue: Human MCF7  
 Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COQ2 antibody | <p>This is a rabbit polyclonal antibody against COQ2. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: COQ2 catalyzes the prenylation of para-hydroxybenzoate (PHB) with an all-trans polyprenyl group. COQ2 mediates the second step in the final reaction sequence of coenzyme Q (CoQ) biosynthesis, which is the condensation of the polyisoprenoid side chain with PHB.CoQ (ubiquinone) serves as a redox carrier in the mitochondrial respiratory chain and is a lipid-soluble antioxidant. COQ2, or parahydroxybenzoate-polyprenyltransferase (EC 2.5.1.39), catalyzes one of the final reactions in the biosynthesis of CoQ, the prenylation of parahydroxybenzoate with an all-trans polyprenyl group (Forsgren et al., 2004 [PubMed 15153069]).[supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-90 BC020728.1 1-90 91-96 BG699931.1 80-85 97-789 BC020728.1 97-789 790-792 BQ363759.1 169-171 793-1535 BC020728.1 793-1535 1536-1554 BC008804.2 1496-1514</p> |
| Product Categories/Family for anti-COQ2 antibody   | Polyclonal; Membrane Protein; Drugs and Drug Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| NCBI GI #                        | 260656052                                                        |
| NCBI GeneID                      | 27235                                                            |
| NCBI Accession #                 | NP_056512                                                        |
| NCBI GenBank Nucleotide #        | NM_015697                                                        |
| UniProt Accession #              | Q96H96                                                           |
| Molecular Weight                 | 42kDa                                                            |
| NCBI Official Full Name          | 4-hydroxybenzoate polyprenyltransferase, mitochondrial isoform 1 |
| NCBI Official Synonym Full Names | coenzyme Q2, polyprenyltransferase                               |
| NCBI Official Symbol             | COQ2                                                             |
| NCBI Official Synonym Symbols    | MSA1; CL640; COQ10D1; PHB:PPT                                    |
| NCBI Protein Information         | 4-hydroxybenzoate polyprenyltransferase, mitochondrial           |
| UniProt Protein Name             | 4-hydroxybenzoate polyprenyltransferase, mitochondrial           |
| UniProt Gene Name                | COQ2                                                             |
| UniProt Synonym Gene Names       | CL640; hCOQ2                                                     |
| UniProt Entry Name               | COQ2_HUMAN                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/coq2-antibody-western-blot-elisa/199778>