# DPPD Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | DPPD, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-Escherichia coli (strain K12) DPPD Polyclonal Antibody |
| **Product Gene Name** | anti-DPPD antibody |
| **Product Synonym Names** | DPPD Antibody; Dipeptide transport ATP-binding protein DppD dppD b3541 JW3510 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | E Coli (strain K12) |
| **Form/Format** | Liquid<br>Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH7.4 |
| **Purity/Purification** | Antigen-affinity |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Molecular Weight** | 35,844 Da |
| **3D Structure** | ModBase 3D Structure for P0AAG0 |
| **Immunogen** | Recombinant Escherichia coli (strain K12) dppD protein |
| **Conjugation** | Non-conjugate |
| **Modification** | Unmodified |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-DPPD antibody** | ELISA (EIA), WB (Western Blot) (ensure identification of antigen) |
| **Related Product Information for anti-DPPD antibody** | MBS7165570 is an antibody targeting DPPD. Also known as Rabbit anti-Escherichia coli (strain K12) DPPD Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit. |
| **Other Notes** | Small volumes of anti-DPPD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPPD. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 16131413 |
| **NCBI GeneID** | 948065 |
| **NCBI Accession #** | NP_417998.1 |
| **UniProt Primary Accession #** | P0AAG0 |
| **UniProt Secondary Accession #** | P37314; Q2M7K3 |

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| **GenBank Nucleotide #** | NC_000913.3 |
| **NCBI Official Full Name** | dipeptide/heme ABC transporter ATPas |
| **NCBI Official Symbol** | dppD |
| **NCBI Official Synonym Symbols** | ECK3528; JW3510 |
| **UniProt Protein Name** | Dipeptide transport ATP-binding protein DppD |
| **Protein Family** | Dipeptide transport ATP-binding protein |
| **UniProt Gene Name** | dppD |
| **NCBI Protein Information** | dipeptide/heme ABC transporter ATPas |
| **NCBI Summary for DPPD** | Escherichia coli does not normally use exogeneous heme, but heme can be utilized if a foreign OM heme receptor is expressed in Escherichia coli (Letoffe, 2006). [More information is available at EcoGene: EG12627]. DppD is an ATP-binding component of the dipeptide ABC transporter. [More information is available at EcoCyc: EG12627]. |
| **UniProt Comments for DPPD** | Part of the binding-protein-dependent transport system for dipeptides. Probably responsible for energy coupling to the transport system. |
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