# gcvP Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | gcvP, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-Escherichia coli O9:H4 (strain HS) gcvP Polyclonal Antibody |
| **Product Gene Name** | anti-gcvP antibody |
| **Product Synonym Names** | gcvP Antibody; Glycine dehydrogenase; decarboxylating; EC 1.4.4.2; Glycine cleavage system P-protein; Glycine decarboxylase; Glycine dehydrogenase; aminomethyl-transferring; gcvP EcHS_A3062 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | E Coli O9:H4 (strain HS) |
| **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** | 104,406 Da |
| **3D Structure** | ModBase 3D Structure for A8A444 |
| **Immunogen** | Recombinant Escherichia coli O9:H4 (strain HS) gcvP protein |
| **Conjugation** | Non-conjugate |
| **Modification** | Unmodified |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-gcvP antibody** | ELISA (EIA), WB (Western Blot) (ensure identification of antigen) |
| **Related Product Information for anti-gcvP antibody** | MBS7139525 is an antibody targeting gcvP. Also known as Rabbit anti-Escherichia coli O9:H4 (strain HS) gcvP Polyclonal Antibody. Reactive in E Coli O9:H4 (strain HS). Host: Rabbit. |
| **Other Notes** | Small volumes of anti-gcvP 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 gcvP. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446117224 |
| **NCBI Accession #** | WP_000195079.1 |
| **UniProt Primary Accession #** | A8A444 |
| **GenBank Nucleotide #** | WP_000195079.1 |
| **NCBI Official Full Name** | glycine dehydrogenase |

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| **UniProt Protein Name** | Glycine dehydrogenase (decarboxylating) |
| **UniProt Synonym Protein Names** | Glycine cleavage system P-protein |
| **Protein Family** | Glycine dehydrogenase |
| **UniProt Gene Name** | gcvP |
| **UniProt Comments for gcvP** | The glycine cleavage system catalyzes the degradation of glycine. The P protein binds the alpha-amino group of glycine through its pyridoxal phosphate cofactor; CO2 is released and the remaining methylamine moiety is then transferred to the lipoamide cofactor of the H protein. |
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