# ptsG Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | ptsG, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-Escherichia coli O6:H1 (strain CFT073/700928/UPEC) ptsG Polyclonal Antibody |
| **Product Gene Name** | anti-ptsG antibody |
| **Product Synonym Names** | ptsG Antibody; PTS system glucose-specific EIICB component; EIICB-Glc; EII-Glc; [Includes: Glucose permease IIC component; PTS system glucose-specific EIIC component; Glucose-specific phosphotransferase enzyme IIB component; EC 2.7.1.199; PTS system glucose-specific EIIB component)] ptsG c1373 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | E Coli O6:H1 (strain CFT073/ 700928/UPEC) |
| **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** | 50,677 Da |
| **3D Structure** | ModBase 3D Structure for P69787 |
| **Immunogen** | Recombinant Escherichia coli O6:H1 (strain CFT073 / 700928 / UPEC) ptsG protein |
| **Conjugation** | Non-conjugate |
| **Modification** | Unmodified |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-ptsG antibody** | ELISA (EIA), WB (Western Blot) (ensure identification of antigen) |
| **Related Product Information for anti-ptsG antibody** | MBS7149026 is an antibody targeting ptsG. Also known as Rabbit anti-Escherichia coli O6:H1 (strain CFT073/700928/UPEC) ptsG Polyclonal Antibody. Reactive in E Coli O6:H1 (strain CFT073/ 700928/UPEC). Host: Rabbit. |
| **Other Notes** | Small volumes of anti-ptsG 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 ptsG. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446397864 |
| **NCBI Accession #** | WP_000475719.1 |
| **UniProt Primary Accession #** | P69787 |
| **UniProt Secondary Accession #** | P05053 |

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| **GenBank Nucleotide #** | WP_000475719.1 |
| **NCBI Official Full Name** | MULTISPECIES: PTS glucose EIICB component |
| **UniProt Protein Name** | PTS system glucose-specific EIICB component |
| **UniProt Synonym Protein Names** | PTS system glucose-specific EIIB component |
| **Protein Family** | PTS system glucose-specific EIIBCA component |
| **UniProt Gene Name** | ptsG |
| **UniProt Synonym Gene Names** | EII-Glc |
| **UniProt Comments for ptsG** | The phosphoenolpyruvate-dependent sugar phosphotransferase system (sugar PTS), a major carbohydrate active transport system, catalyzes the phosphorylation of incoming sugar substrates concomitantly with their translocation across the cell membrane. The enzyme II complex composed of PtsG and Crr is involved in glucose transport. Also functions as a chemoreceptor monitoring the environment for changes in sugar concentration. |
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