# GOLPH3L Antibody (Center) Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | GOLPH3L, Blocking Peptide |
| **Full Product Name** | GOLPH3L Antibody (Center) Blocking Peptide |
| **Product Gene Name** | GOLPH3L blocking peptide |
| **Product Synonym Gene Name** | GPP34R |
| **Product Synonym Names** | Golgi phosphoprotein 3-like; GPP34-related protein; GOLPH3L; GPP34R |
| **Form/Format** | Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml. |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C. |
| **Antibody/Peptide Pairs** | GOLPH3L peptide (MBS9223231) is used for blocking the activity of GOLPH3L antibody (MBS9204350) |
| **Molecular Weight** | 27,672 Da |
| **OMIM** | 612208 |
| **Cellular Location** | Golgi apparatus, Golgi stack membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein; Cytoplasmic side. Note: Phosphatidylinositol 4- phosphate (PtdIns4P)-binding mediates recruitment to Golgi membranes |
| **Related Product Information for GOLPH3L blocking peptide** | Phosphatidylinositol-4-phosphate-binding protein that may antagonize the action of GOLPH3 which is required for the process of vesicle budding at the Golgi and anterograde transport to the plasma membrane. |
| **Other Notes** | Small volumes of GOLPH3L blocking peptide 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. |
| **Searchable Terms for GOLPH3L purchase** | MBS9223231 is a blocking peptide targeting GOLPH3L. Also known as GOLPH3L Antibody (Center) Blocking Peptide. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GOLPH3L. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 74752638 |
| **NCBI GeneID** | 55204 |
| **NCBI Accession #** | Q9H4A5.1 |
| **UniProt Primary Accession #** | Q9H4A5 |
| **UniProt Secondary Accession #** | Q9NVK0; B1AN09; B7Z6N3 |
| **UniProt Related Accession #** | Q9H4A5 |
| **NCBI Official Full Name** | Golgi phosphoprotein 3-like |
| **NCBI Official Synonym Full Names** | golgi phosphoprotein 3 like |
| **NCBI Official Symbol** | GOLPH3L |
| **NCBI Official Synonym Symbols** | GPP34R |
| **UniProt Protein Name** | Golgi phosphoprotein 3-like |

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| **UniProt Synonym Protein Names** | GPP34-related protein |
| **Protein Family** | Golgi phosphoprotein |
| **UniProt Gene Name** | GOLPH3L |
| **UniProt Synonym Gene Names** | GPP34R |
| **UniProt Entry Name** | GLP3L_HUMAN |
| **NCBI Protein Information** | Golgi phosphoprotein 3-like |
| **NCBI Summary for GOLPH3L** | The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is localized at the Golgi stack and may have a regulatory role in Golgi trafficking. [provided by RefSeq, Jul 2008] |
| **UniProt Comments for GOLPH3L** | GOLPH3L: The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is localized at the Golgi stack and may have a regulatory role in Golgi trafficking. [provided by RefSeq, Jul 2008]<br><br>Protein type: Unknown function<br><br>Chromosomal Location of Human Ortholog: 1q21.3<br><br>Cellular Component: Golgi membrane; trans-Golgi network membrane<br><br>Molecular Function: protein binding<br><br>Biological Process: Golgi organization and biogenesis; positive regulation of protein secretion |
| **Research Articles on GOLPH3L** | **1.** GOLPH3L differs critically from GOLPH3 in that it is largely unable to bind to MYO18A; data demonstrate that despite their similarities, unexpectedly, GOLPH3L antagonizes GOLPH3/MYO18A at the Golgi |
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