

## Rabbit GOLPH4 Polyclonal Antibody | anti-GOLIM4 antibody

GOLPH4 Antibody

| CATALOG # | HOST   | REACTIVITY                                                                                                                           | APPLICATIONS |
|-----------|--------|--------------------------------------------------------------------------------------------------------------------------------------|--------------|
| AAA328937 | Rabbit | Human, Mouse, Rat<br>Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%) | ELISA        |

### PRODUCT SYNONYMS

GOLPH4; Polyclonal Antibody; GOLPH4 Antibody; 130 kDa golgi localized phosphoprotein; cis; cis Golgi localized calcium binding protein; GIMPC; Golgi integral membrane protein 4; Golgi integral membrane protein; Golgi phosphoprotein 4; Golgi phosphoprotein of 130 kDa; Golgi-localized phosphoprotein of 130 kDa; GOL14\_HUMAN; golim4; GOLPH 4; GPP 130; GPP130; P 138; P138; type II Golgi membrane protein; anti-GOLIM4 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                               |
| Reactivity                                       | Human, Mouse, Rat<br>Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%) |
| Clonality                                        | Polyclonal                                                                                                                           |
| Isotype                                          | IgG                                                                                                                                  |
| Specificity                                      | GOLPH4 Antibody detects endogenous levels of total GOLPH4.                                                                           |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).             |
| Form/Format                                      | Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol                              |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                               |
| Sequence Length                                  | 696                                                                                                                                  |
| Applicable Applications for anti-GOLIM4 antibody | ELISA                                                                                                                                |
| Immunogen                                        | A synthesized peptide derived from human GOLPH4, corresponding to a region within the internal amino acids.                          |
| Fragment                                         | Fab fragment                                                                                                                         |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                    |

### IMAGES



#### IHC (Immunohistochemistry)

AAA328937 at 1/100 staining Human esophageal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



#### WB (Western Blot)

Western blot analysis of extracts from EC304 cells, using GOLPH4 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GOLIM4 antibody | <p>Function: Plays a role in endosome to Golgi protein trafficking; mediates protein transport along the late endosome-bypass pathway from the early endosome to the Golgi.</p> <p>Post Translational Modifications: Phosphorylated probably by c-AMP-dependent kinases in its luminal part.O-glycosylated; modified by sialic acid residues.N-glycosylated; N-glycans are probably of the complex type and modified by sialic acid residues.</p> <p>Subcellular Location: Golgi apparatus&gt;Golgi stack membrane&gt;Single-pass type II membrane protein. Endosome membrane&gt;Single-pass type II membrane protein. Membrane&gt;Lipid-anchor. Note: Localizes to cis and medial Golgi cisternae. Probably cycles between early Golgi and distal compartments like endosome.</p> <p>Similarity: Belongs to the GOLIM4 family.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 7657138                                                                                      |
| NCBI GeneID                      | 27333                                                                                        |
| NCBI Accession #                 | NP_055313.1                                                                                  |
| NCBI GenBank Nucleotide #        | NP_055313.1                                                                                  |
| UniProt Accession #              | O00461                                                                                       |
| Molecular Weight                 | Observed Molecular Weight: (Observed)81kD.<br>Predicted Molecular Weight: (Calculated)82kDa. |
| NCBI Official Full Name          | Golgi integral membrane protein 4 isoform 1                                                  |
| NCBI Official Synonym Full Names | golgi integral membrane protein 4                                                            |
| NCBI Official Symbol             | GOLIM4                                                                                       |
| NCBI Official Synonym Symbols    | P138; GIMPC; GOLPH4; GPP130                                                                  |
| NCBI Protein Information         | Golgi integral membrane protein 4                                                            |
| UniProt Protein Name             | Golgi integral membrane protein 4                                                            |
| UniProt Gene Name                | <b>GOLIM4</b>                                                                                |
| UniProt Synonym Gene Names       | GIMPC; GOLPH4; GPP130; GIMPC; Golgi phosphoprotein of 130 kDa                                |

**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.