

GOLPH4 Rabbit pAb

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Catalog # AP55179

Product Information

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| Application | IHC-P, IHC-F, IF, E |
| Primary Accession | O00461 |
| Predicted | Human, Mouse, Rat, Dog, Pig, Horse, Rabbit, Sheep, Monkey |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 81880 |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human GOLPH4 |
| Epitope Specificity | 121-220/696 |
| Isotype | IgG |
| Purity | affinity purified by Protein A |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Golgi apparatus; Golgi stack membrane. Endosome membrane. Localizes to cis and medial Golgi cisternae. Probably cycles between early Golgi and distal compartments like endosome. Belongs to the GOLIM4 family. |
| SIMILARITY | Phosphorylated probably by c-AMP-dependent kinases in its luminal part. |
| Post-translational modifications | O-glycosylated; modified by sialic acid residues. N-glycosylated; N-glycans are probably of the complex type and modified by sialic acid residues. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| Background Descriptions | 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 a type II Golgi-resident protein. It may process proteins synthesized in the rough endoplasmic reticulum and assist in the transport of protein cargo through the Golgi apparatus. [provided by RefSeq, Jul 2008]. |

Additional Information

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| Gene ID | 27333 |
| Other Names | Golgi integral membrane protein 4, Golgi integral membrane protein, cis, GIMPC, Golgi phosphoprotein 4, Golgi-localized phosphoprotein of 130 kDa, Golgi phosphoprotein of 130 kDa, GOLIM4, GIMPC, GOLPH4, GPP130 |
| Dilution | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000 |
| Storage | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

Protein Information

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| Name | GOLIM4 |
| Synonyms | GIMPC, GOLPH4, GPP130 |
| 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. |
| Cellular Location | Golgi apparatus, Golgi stack membrane; Single- pass type II membrane protein. Endosome membrane; Single-pass type II membrane protein. Membrane; Lipid-anchor Note=Localizes to cis and medial Golgi cisternae. Probably cycles between early Golgi and distal compartments like endosome |

Background

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 a type II Golgi-resident protein. It may process proteins synthesized in the rough endoplasmic reticulum and assist in the transport of protein cargo through the Golgi apparatus. [provided by RefSeq, Jul 2008].

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