

# GOLPH4 Rabbit pAb

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Catalog # AP55179

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">O00461</a>
<b>Predicted</b>	Human, Mouse, Rat, Dog, Pig, Horse, Rabbit, Sheep, Monkey
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	81880
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human GOLPH4
<b>Epitope Specificity</b>	121-220/696
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Golgi apparatus; Golgi stack membrane. Endosome membrane. Localizes to cis and medial Golgi cisternae. Probably cycles between early Golgi and distal compartments like endosome.
<b>SIMILARITY</b>	Belongs to the GOLIM4 family.
<b>Post-translational modifications</b>	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.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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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<b>Gene ID</b>	27333
<b>Other Names</b>	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
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
<b>Storage</b>	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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<b>Name</b>	GOLIM4
<b>Synonyms</b>	GIMPC, GOLPH4, GPP130
<b>Function</b>	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.
<b>Cellular Location</b>	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

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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].

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.