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GOLPH4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GOLPH4.
Catalog # AT2240a

Product Information

Application	WB, IF, E
Primary Accession	O00461
Other Accession	NM_014498
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5E12
Calculated MW	81880

Additional Information

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
Target/Specificity	GOLPH4 (NP_055311.1, 473 a.a. ~ 568 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GOLPH4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

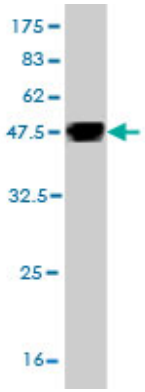
The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is a type II Golgi-resident protein. It may process proteins synthesized in the rough endoplasmic reticulum and assist in the transport of protein cargo through the Golgi apparatus.

References

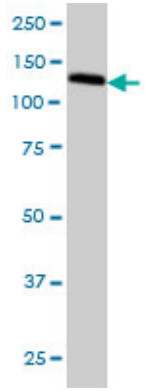
Manganese-induced trafficking and turnover of the cis-Golgi glycoprotein GPP130. Mukhopadhyay S, et al.

Mol Biol Cell, 2010 Apr 1. PMID 20130081.Many sequence variants affecting diversity of adult human height. Gudbjartsson DF, et al. Nat Genet, 2008 May. PMID 18391951.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Both post-Golgi and intra-Golgi cycling affect the distribution of the Golgi phosphoprotein GPP130. Starr T, et al. Traffic, 2007 Sep. PMID 17605763.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

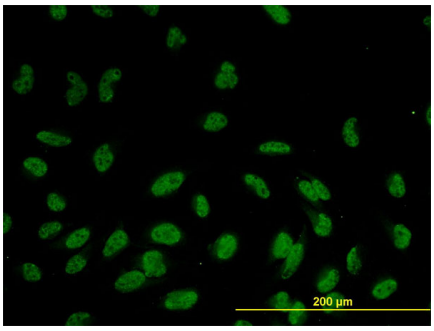
Images



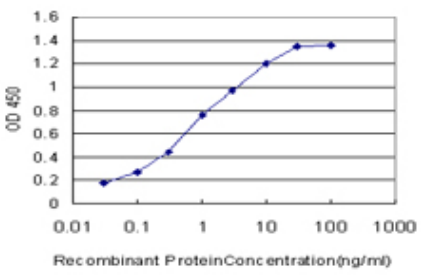
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.3 KDa) .



GOLPH4 monoclonal antibody (M01), clone 5E11 Western Blot analysis of GOLPH4 expression in HeLa ((Cat # AT2240a)



Immunofluorescence of monoclonal antibody to GOLPH4 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged GOLPH4 is approximately 0.03ng/ml as a capture antibody.