

# Product Datasheet

## **Golgi Glycoprotein 1/GLG1 Antibody (GLG1/970) [Alexa Fluor™ Plus 405] NBP2-47794AFP405**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47794AFP405**

Golgi Glycoprotein 1/GLG1 Antibody (GLG1/970) [Alexa Fluor™ Plus 405]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	GLG1/970
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor Plus 405
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	2734
<b>Gene Symbol</b>	GLG1
<b>Species</b>	Human, Mouse (Negative), Rat (Negative)
<b>Reactivity Notes</b>	Does not react with Mouse or Rat.
<b>Marker</b>	Marker for Human Cells
<b>Specificity/Sensitivity</b>	This monoclonal antibody recognizes a protein of 134kDa, which binds fibroblast growth factor and E-selectin (cell-adhesion lectin on endothelial cells mediating the binding of neutrophils). Fucosylation is essential for binding to E-selectin. It contains sialic acid residues and 16 Cys-rich GLG1 repeats. This monoclonal antibody can be used to stain the Golgi complex in cell or tissue preparations and can be used as a Golgi marker in subcellular fractions. It produces a diffuse staining pattern of the Golgi zone in normal and malignant cells. This monoclonal antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells. The Golgi apparatus is an organelle present in all eukaryotic cells that forms a part of the endomembrane system. The primary function of the Golgi apparatus is to process and package macromolecules synthesized by the cell for exocytosis or use within the cell. The Golgi is made up of a stack of flattened, membrane-bound sacs known as cisternae, with three functional regions: the cis face, medial region and trans face. Each region consists of various enzymes that selectively modify the macromolecules passing through them, depending on where they are destined to reside. Several spherical vesicles that have budded off of the Golgi are present surrounding the main cisternae. The Golgi tends to be more pronounced and numerous in cells that make and secrete many substances such as plasma B cells.
<b>Immunogen</b>	Golgi fraction from human liver cells

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<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-47794AFP405**

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NBP1-90636PEP	Golgi Glycoprotein 1/GLG1 Recombinant Protein Antigen
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
BBA16	E-Selectin/CD62E Antibody (BBIG-E4) [Unconjugated]
BBA10	CD44 Antibody (2C5) [Unconjugated] - s Pan Specific

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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