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## Datasheet for ABIN6937324 **anti-GLG1 antibody**

### Overview

Quantity:	100 µg
Target:	GLG1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GLG1 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

### Product Details

Immunogen:	Golgi fraction from human liver cells
Clone:	GLG1-970
Isotype:	IgG1 kappa
Specificity:	<p>This MAb recognizes a protein of 134 kDa, 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 MAb 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 MAb 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</p>

## Product Details

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.

No Cross-Reactivity: Mouse (Murine), Rat (Rattus)

Cross-Reactivity (Details): Human. Does not react with Mouse or Rat.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

Target: GLG1

Alternative Name: GLG1 ([GLG1 Products](#))

Background: CFR-1, Cysteine-rich fibroblast growth factor receptor, E-selectin ligand-1 (ESL-1), Golgi Glycoprotein 1 (GLG1), Golgi apparatus protein 1, Golgi sialoglycoprotein MG-160, Slectin, endothelial cell, ligand, GLG1 (Golgi Glycoprotein 1) (Marker for Human Cells)  
Cellular localisation: Golgi complex in cytoplasm

Molecular Weight: 134kDa

Gene ID: 2734, 109731

UniProt: [Q92896](#)

## Application Details

Application Notes: Known\_Application: Immunohistochemistry (Formalin-fixed) (0.1-0.2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.  
Positive\_Control: HepG2, A431 or HeLa cells. Placenta, Tonsil, Testis and Ovary.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

## Handling

Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months