

Rabbit GLG1 Polyclonal Antibody | anti-GLG1 antibody

Anti-GLG1 Antibody Picoband

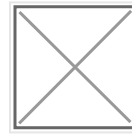
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19888	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

GLG1; Polyclonal Antibody; Anti-GLG1 Antibody Picoband; anti-GLG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-GLG1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Mouse, Rat FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human GLG1 recombinant protein (Position: E173-K1040). Human GLG1 shares 98.5% and 98% amino acid (aa) sequence identity with mouse and rat GLG1, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of GLG1 using anti-GLG1 antibody (AAA19888). GLG1 was detected in a paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-GLG1 Antibody (AAA19888) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-GLG1 Antibody (AAA19888) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-GLG1 Antibody (AAA19888) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-GLG1 Antibody (AAA19888) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Lane 2: human SiHa whole cell lysates,Lane 3: human Hacat whole cell lysates,Lane 4: human A431 whole cell lysates,Lane 5: rat testis tissue lysates,Lane 6: mouse testis tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GLG1 antigen affinity purified polyclonal antibody (#AAA19888) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GLG1 at approximately 150 kDa. The expected band size for GLG1 is at 135 kDa.

Related Product Information for anti-GLG1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-GLG1 antibody	Primary Antibodies
References	1. Gonatas, J. O., Meztis, S. G. E., Stieber, A., Fleischer, B., Gonatas, N. K. MG-160. A novel sialoglycoprotein of the medical cisternae of the Golgi apparatus. J. Biol. Chem. 264: 646-653, 1989. 2. Mourelatos, Z., Gonatas, J. O., Cinato, E., Gonatas, N. K. Cloning and sequence analysis of the human MG160, a fibroblast growth factor and E-selectin binding membrane sialoglycoprotein of the Golgi apparatus. DNA Cell Biol. 15: 1121-1128, 1996. 3. Mourelatos, Z., Gonatas, J. O., Nycum, L. M., Gonatas, N. K., Biegel, J. A. Assignment of the GLG1 gene for MG-160, a fibroblast growth factor and E-selectin binding membrane sialoglycoprotein of the Golgi apparatus, to chromosome 16q22-q23 by fluorescence in situ hybridization. Genomics 28: 354-355, 1995.

NCBI GI #	54633312
NCBI GeneID	2734
NCBI Accession #	NP_036333.2
NCBI GenBank Nucleotide #	NM_012201.5
UniProt Accession #	Q92896; Q13221; Q6P9D1; B7Z8Y4; D3DUJ7

Molecular Weight	135,996 Da
NCBI Official Full Name	Golgi apparatus protein 1 isoform 1
NCBI Official Synonym Full Names	golgi glycoprotein 1
NCBI Official Symbol	GLG1
NCBI Official Synonym Symbols	CFR-1; ESL-1; MG160; MG-160
NCBI Protein Information	Golgi apparatus protein 1; E-selectin ligand 1; golgi sialoglycoprotein MG-160; cysteine-rich fibroblast growth factor receptor
UniProt Protein Name	Golgi apparatus protein 1
UniProt Gene Name	GLG1
UniProt Synonym Gene Names	CFR1; ESL1; MG160; ESL-1
UniProt Entry Name	GSLG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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