

Rabbit Golgin 97/GOLGA1 Polyclonal Antibody | anti-GOLGA1 antibody

Anti-Golgin 97/GOLGA1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19636	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Golgin 97/GOLGA1; Polyclonal Antibody; Anti-Golgin 97/GOLGA1 Antibody Picoband; anti-GOLGA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-GOLGA1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5 ug/ml, Human, Mouse, Rat IHC-P: 2-5 ug/ml, Human ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Golgin 97/GOLGA1 recombinant protein (Position: M1-K752).
Preparation and Storage	Store 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.



FCM (Flow Cytometry)

Figure 8. Flow Cytometry analysis of JK cells using anti-Golgin 97/GOLGA1 antibody (AAA19636). Overlay histogram showing JK cells stained with AAA19636 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Golgin 97/GOLGA1 Antibody (AAA19636, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 7. IF analysis of Golgin 97/GOLGA1 using anti-Golgin 97/GOLGA1 antibody (AAA19636). Golgin 97/GOLGA1 was detected in an immunocytochemical section of SiHa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-Golgin 97/GOLGA1 Antibody (AAA19636) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of Golgin 97/GOLGA1 using anti-Golgin 97/GOLGA1 antibody (AAA19636). Golgin 97/GOLGA1 was detected in a paraffin-embedded section of human lung cancer 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 2 ug/ml rabbit anti-Golgin 97/GOLGA1 Antibody (AAA19636) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of Golgin 97/GOLGA1 using anti-Golgin 97/GOLGA1 antibody (AAA19636). Golgin 97/GOLGA1 was detected in a paraffin-embedded section of human gall bladder adenocarcinoma 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 2 ug/ml rabbit anti-Golgin 97/GOLGA1 Antibody (AAA19636) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of Golgin 97/GOLGA1 using anti-Golgin 97/GOLGA1 antibody (AAA19636). Golgin 97/GOLGA1 was detected in a paraffin-embedded section of human colonic adenocarcinoma 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 2 ug/ml rabbit anti-Golgin 97/GOLGA1 Antibody (AAA19636) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Golgin 97/GOLGA1 using anti-Golgin 97/GOLGA1 antibody (AAA19636). Golgin 97/GOLGA1 was detected in a paraffin-embedded section of human breast cancer 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 2 ug/ml rabbit anti-Golgin 97/GOLGA1 Antibody (AAA19636) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-GOLGA1 antibody	Golgin subfamily A member 1 is a protein that in humans is encoded by the GOLGA1 gene. The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes one of the golgins, a family of proteins localized to the Golgi. This encoded protein is associated with Sjogren's syndrome.
Product Categories/Family for anti-GOLGA1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033445
NCBI GeneID	2800
UniProt Accession #	Q92805; Q5T164; Q8IYZ9
Molecular Weight	767

NCBI Official Full Name	Golgin subfamily A member 1
NCBI Official Synonym Full Names	golgin A1
NCBI Official Symbol	GOLGA1
NCBI Official Synonym Symbols	golgin-97
NCBI Protein Information	Golgin subfamily A member 1; gap junction protein, alpha 4, 37kD; golgi autoantigen, golgin subfamily a, 1
UniProt Protein Name	Golgin subfamily A member 1
UniProt Gene Name	GOLGA1
UniProt Entry Name	GOGA1_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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