

# Rabbit anti-Human GOLGA3 Polyclonal Antibody | anti-GOLGA3 antibody

Anti-GOLGA3 Antibody Picoband

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                       |
|-----------|--------|------------|------------------------------------------------------------------------------------|
| AAA126496 | Rabbit | Human      | ELISA, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot |

## PRODUCT SYNONYMS

GOLGA3; Polyclonal Antibody; Anti-GOLGA3 Antibody Picoband; anti-GOLGA3 antibody

## PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                       | Human                                                                                                                                                                                                                        |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                              | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                      | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.                                                                                                                                               |
| Concentration                                    | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-GOLGA3 antibody | ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                     |
| Reconstitution                                   | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                        | E Coli-derived human GOLGA3 recombinant protein (Position: Q176-K1436).                                                                                                                                                      |
| 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. |

## IMAGES



### IF (Immunofluorescence)

Figure 4. IF analysis of GOLGA3 using anti-GOLGA3 antibody (AAA126496). GOLGA3 was detected in an immunocytochemical section of CACO-2 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-GOLGA3 Antibody (AAA126496) 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 3. IHC analysis of GOLGA3 using anti-GOLGA3 antibody (AAA126496). GOLGA3 was detected in a paraffin-embedded section of human rectal 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-GOLGA3 Antibody (AAA126496) 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 with DAB as the chromogen.



#### IHC (Immunohistochemistry)

Figure 2. IHC analysis of GOLGA3 using anti-GOLGA3 antibody (AAA126496). GOLGA3 was detected in a paraffin-embedded section of human liver 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-GOLGA3 Antibody (AAA126496) 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 with DAB as the chromogen.



#### WB (Western Blot)

Figure 1. Western blot analysis of GOLGA3 using anti-GOLGA3 antibody (AAA126496). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell 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-GOLGA3 antigen affinity purified polyclonal antibody (#AAA126496) at 0.5 ug/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 GOLGA3 at approximately 180 kDa. The expected band size for GOLGA3 is at 167 kDa.

## ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GOLGA3 antibody | Golgin subfamily A member 3 is a protein that in humans is encoded by the GOLGA3 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 a member of the golgin family of proteins which are localized to the Golgi. Its encoded protein has been postulated to play a role in nuclear transport and Golgi apparatus localization. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. |
| Product Categories/Family for anti-GOLGA3 antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 32470610                                                                                                                                                                                                                                                    |
| NCBI GeneID                      | 2802                                                                                                                                                                                                                                                        |
| UniProt Accession #              | Q08378; O43241; Q6P9C7; Q86XW3; Q8TDA9; Q8WZA3; A5PKX6                                                                                                                                                                                                      |
| Molecular Weight                 | 1498                                                                                                                                                                                                                                                        |
| NCBI Official Full Name          | Golgin subfamily A member 3                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | golgin A3                                                                                                                                                                                                                                                   |
| NCBI Official Symbol             | GOLGA3                                                                                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | MEA-2; GCP170                                                                                                                                                                                                                                               |
| NCBI Protein Information         | Golgin subfamily A member 3; golgin-160; golgin-165; SY2/SY10 protein; male enhanced antigen-2; Golgi membrane associated protein; Golgi peripheral membrane protein; golgi autoantigen, golgin subfamily a, 3; golgi complex-associated protein of 170 kDa |
| UniProt Protein Name             | Golgin subfamily A member 3                                                                                                                                                                                                                                 |
| UniProt Gene Name                | <b>GOLGA3</b>                                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | GCP170                                                                                                                                                                                                                                                      |
| UniProt Entry Name               | GOGA3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/golga3-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/126496>