

# Anti-GM130 GOLGA2 Rabbit Monoclonal Antibody

Catalog # ABO13590

## Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                                                    |
| <b>Primary Accession</b> | <a href="#">Q08379</a>                                                                                                                  |
| <b>Host</b>              | Rabbit                                                                                                                                  |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                              |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                       |
| <b>Clonality</b>         | Monoclonal                                                                                                                              |
| <b>Format</b>            | Liquid                                                                                                                                  |
| <b>Description</b>       | Anti-GM130 GOLGA2 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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| <b>Other Names</b>                     | Golgin subfamily A member 2, 130 kDa cis-Golgi matrix protein, GM130, GM130 autoantigen, Golgin-95, GOLGA2                                                                                                                                                             |
| <b>Calculated MW</b>                   | 113086 Da                                                                                                                                                                                                                                                              |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50                                                                                                                                                                                                      |
| <b>Subcellular Localization</b>        | Golgi apparatus, cis-Golgi network membrane ; Peripheral membrane protein. Cytoplasm, cytoskeleton, spindle pole. Peripheral membrane protein associated with cis-Golgi stacks (By similarity). Associates with the mitotic spindle during mitosis (PubMed:26165940).. |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                                                    |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: AHB-7<br>A synthesized peptide derived from human GM130                                                                                                                                                                                                         |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                                                                                                                                                |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                                                                             |

## Protein Information

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## Images

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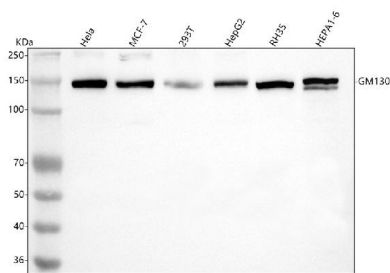


Figure 1. Western blot analysis of GM130 using anti-GM130 antibody (M05865). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: rat RH35 whole cell lysates, Lane 6: mouse HEPA1-6 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-GM130 antigen affinity purified monoclonal antibody (Catalog # M05865) at 1:500 overnight at 4°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 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for GM130 at approximately 150 kDa. The expected band size for GM130 is at 113 kDa.

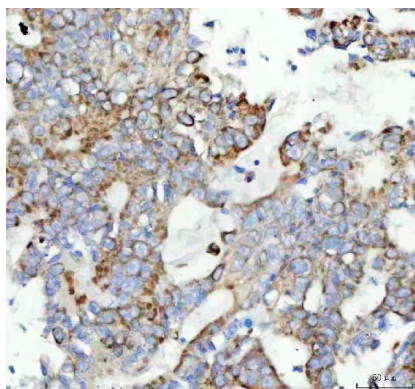


Figure 2. IHC analysis of GM130 using anti-GM130 antibody (M05865). GM130 was detected in a paraffin-embedded section of human colorectal adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-GM130 Antibody (M05865) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

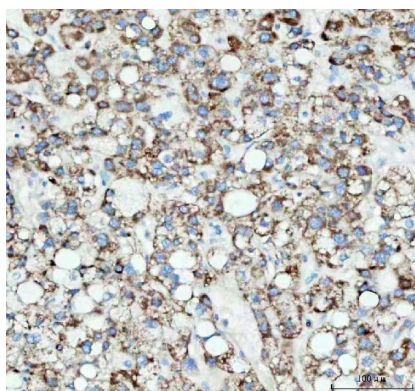
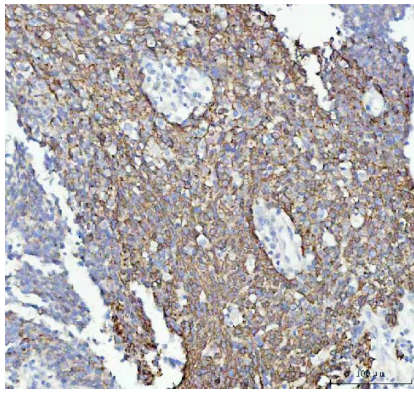


Figure 3. IHC analysis of GM130 using anti-GM130 antibody (M05865). GM130 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-GM130 Antibody (M05865) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Figure 4. IHC analysis of GM130 using anti-GM130 antibody (M05865). GM130 was detected in a paraffin-embedded section of human lung squamous cell carcinoma 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 1:50 rabbit anti-GM130 Antibody (M05865) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

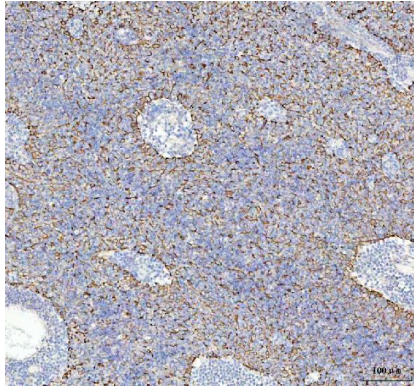
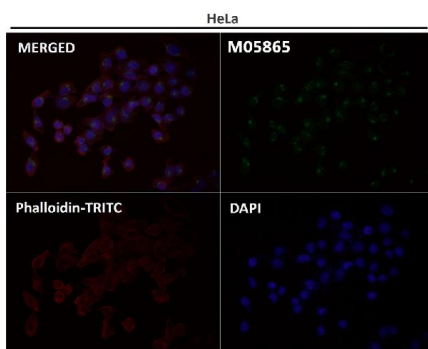


Figure 5. IHC analysis of GM130 using anti-GM130 antibody (M05865). GM130 was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-GM130 Antibody (M05865) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



Immunofluorescent analysis using the Antibody at 1:500 dilution.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.