

## Rabbit GM130 Polyclonal Antibody | anti-GM130 antibody

GM130 (cis-Golgi Marker) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                              |
|-----------|--------|-------------------|-------------------------------------------------------------------------------------------|
| AAA29882  | Rabbit | Human, Mouse, Rat | Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay |

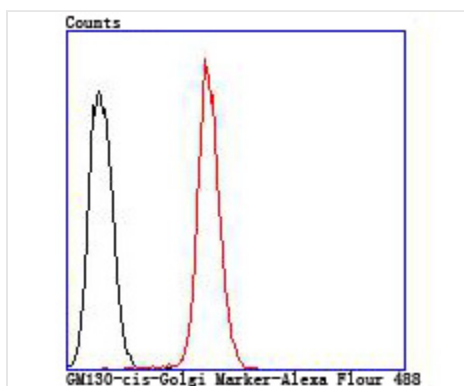
### PRODUCT SYNONYMS

GM130; Polyclonal Antibody; GM130 (cis-Golgi Marker) Antibody; 30 kDa cis Golgi matrix protein antibody; 130 kDa cis-Golgi matrix protein antibody; Cis golgi matrix protein GM130 antibody; GM130 antibody; Gm130 autoantigen antibody; GOGA2\_HUMAN antibody; GOLGA 2 antibody; Golga2 antibody; Golgi autoantigen antibody; Golgi autoantigen golgin subfamily a 2 antibody; Golgi matrix protein GM130 antibody; Golgin 95 antibody; golgin A2 antibody; Golgin subfamily a 2 antibody; Golgin subfamily A member 2 antibody; Golgin-95 antibody; MGC20672 antibody; SY11 protein antibody; anti-GM130 antibody

### PRODUCT SPECIFICATIONS

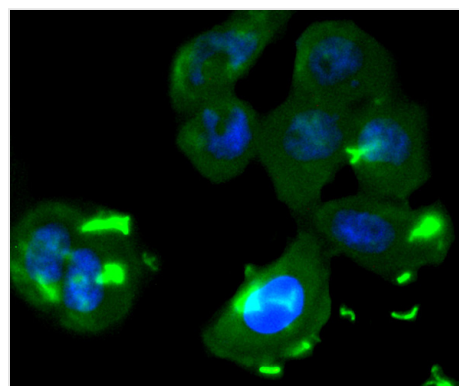
|                                                 |                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                              |
| Reactivity                                      | Human, Mouse, Rat                                                                                   |
| Clonality                                       | Polyclonal                                                                                          |
| Purity/Purification                             | ProA affinity purified                                                                              |
| Form/Format                                     | 1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.                              |
| Applicable Applications for anti-GM130 antibody | WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry) |
| Application Notes                               | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>ICC: 1:50-1:200<br>FC/FACS: 1:50-1:200                       |
| Immunogen                                       | Recombinant protein                                                                                 |
| Conjugation                                     | Unconjugated                                                                                        |
| Preparation and Storage                         | Store at -20 degree C.                                                                              |

### IMAGES



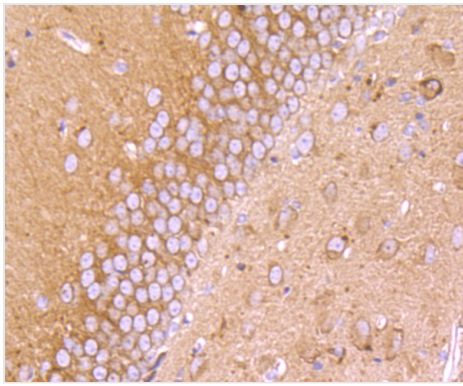
#### FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells with GM130 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



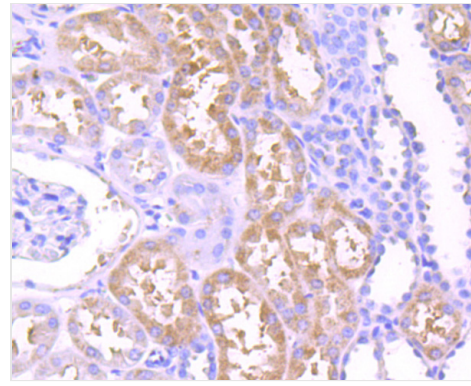
#### ICC (Immunocytochemistry)

ICC staining GM130 in LO2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



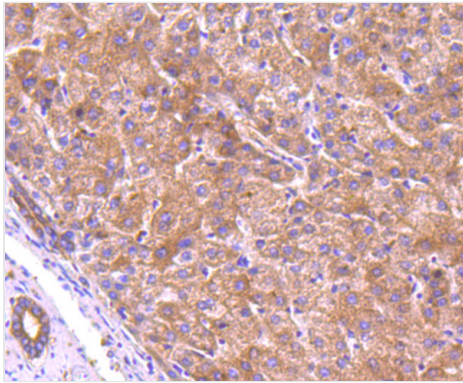
**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-GM130 antibody. Counter stained with hematoxylin.



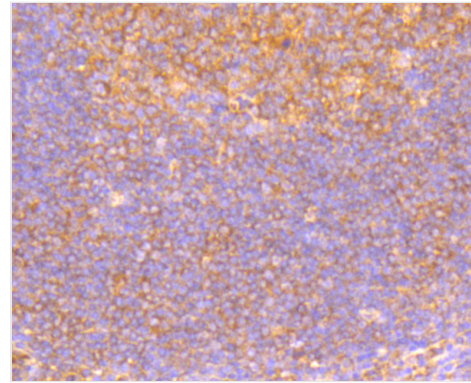
**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-GM130 antibody. Counter stained with hematoxylin.



**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-GM130 antibody. Counter stained with hematoxylin.



**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-GM130 antibody. Counter stained with hematoxylin.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GM130 antibody</b> | Peripheral membrane component of the cis-Golgi stack that acts as a membrane skeleton that maintains the structure of the Golgi apparatus, and as a vesicle tether that facilitates vesicle fusion to the Golgi membrane. Together with p115/USO1 and STX5, involved in vesicle tethering and fusion at the cis-Golgi membrane to maintain the stacked and inter-connected structure of the Golgi apparatus. Plays a central role in mitotic Golgi disassembly. Also plays a key role in spindle pole assembly and centrosome organization. Promotes the mitotic spindle pole assembly by activating the spindle assembly factor TPX2 to nucleate microtubules around the Golgi and capture them to couple mitotic membranes to the spindle. TPX2 then activates AURKA kinase and stimulates local microtubule nucleation. Upon filament assembly, nascent microtubules are further captured by GOLGA2, thus linking Golgi membranes to the spindle. Regulates the meiotic spindle pole assembly, probably via the same mechanism. Also regulates the centrosome organization. Also required for the Golgi ribbon formation and glycosylation of membrane and secretory proteins. |
| <b>Product Categories/Family for anti-GM130 antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| <b>NCBI GI #</b>                 | 194097392                                  |
| <b>NCBI GeneID</b>               | 2801                                       |
| <b>NCBI Accession #</b>          | NP_004477.3                                |
| <b>NCBI GenBank Nucleotide #</b> | NM_004486.4                                |
| <b>UniProt Accession #</b>       | Q08379; Q6GRM9; Q9BRB0; Q9NYF9; A0A0C4DGS5 |
| <b>Molecular Weight</b>          | 70,473 Da                                  |

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| NCBI Official Full Name          | golgin subfamily A member 2                                  |
| NCBI Official Synonym Full Names | golgin A2                                                    |
| NCBI Official Symbol             | GOLGA2                                                       |
| NCBI Official Synonym Symbols    | GM130                                                        |
| NCBI Protein Information         | golgin subfamily A member 2                                  |
| UniProt Protein Name             | Golgin subfamily A member 2                                  |
| UniProt Gene Name                | <b>GOLGA2</b>                                                |
| UniProt Synonym Gene Names       | GM1301 PublicationManual assertion based on opinion iniRef.1 |

**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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gm130-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29882>