Leader in Biomolecular Solutions for Life Science

www.abclonal.com

# GM130 Rabbit mAb

**Catalog No.: A11408** Recombinant 12 Publications

## Basic Information

**Observed MW**
130kDa/140kDa

**Calculated MW**
113kDa

**Category**
Primary antibody

**Applications**
WB,IHC-P,IF/ICC,ELISA

**Cross-Reactivity**
Human, Mouse

**CloneNo number**
ARC0589

## Background

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 has been postulated to play roles in the stacking of Golgi cisternae and in vesicular transport. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of these variants has not been determined.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:6000 |
| **IHC-P** | 1:200 - 1:800 |
| **IF/ICC** | 1:100 - 1:2000 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
2801

**Swiss Prot**
Q08379

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
GM130; DEDHMB

## Contact


400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn


## Product Information

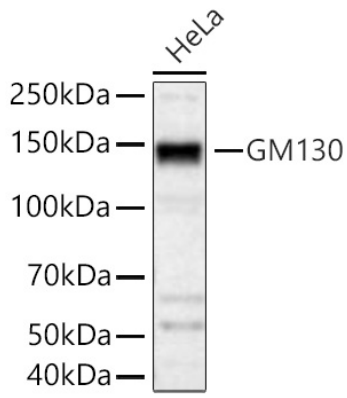
**Source**
Rabbit

**Isotype**
IgG

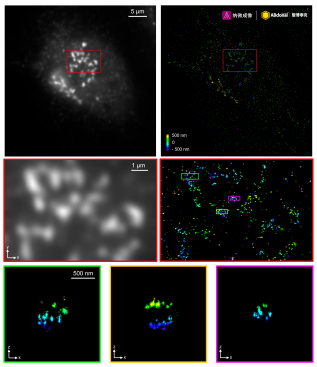
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

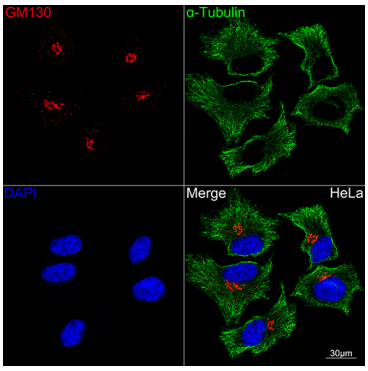
## Validation Data



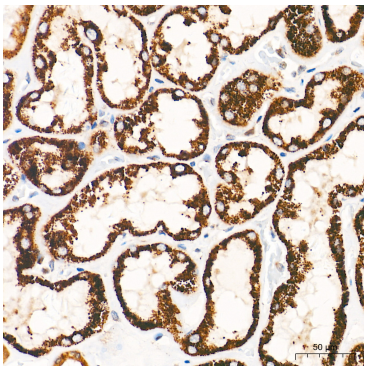

Western blot analysis of lysates from HeLa cells using GM130 Rabbit mAb (A11408) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



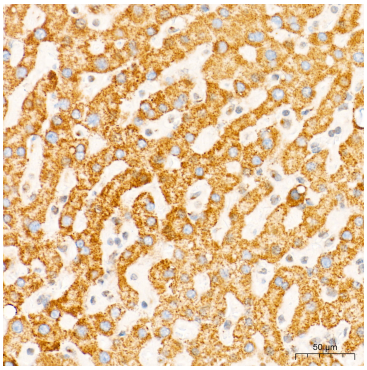
The STORM super-resolution (SR) imaging of U-2 OS cells using GM130 Rabbit mAb (A11408, ABclonal) at dilution of 1:200 with 3% paraformaldehyde (PFA) +0.1% glutaraldehyde (GA) fixation. The immunostaining was performed by Full Automatic Immunofluorescence Workflow System (Workflow Ultra300, Nano-Micro imaging, China). Image was performed with Single-Molecule Localization Super-Resolution Microscopy (STORM Ultra300, Nano-Micro imaging, China). We acknowledge Nano-Micro imaging Biotechnology Co., Ltd. (□□□□□□□□□□□□□□□) in SR image processing and kindly providing this image.



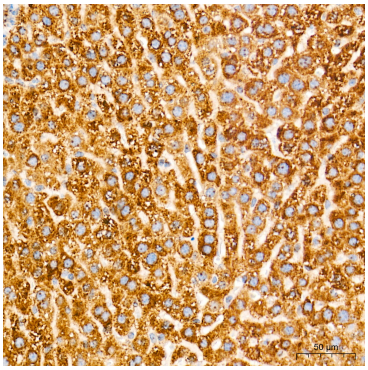

Confocal imaging of HeLa cells using GM130 Rabbit mAb (A11408, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using GM130 Rabbit mAb (A11408) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using GM130 Rabbit mAb (A11408) at a dilution of 1:200 (40x lens). High pressure antigen retrieval



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using GM130 Rabbit mAb (A11408) at a dilution of 1:200 (40x lens). High pressure antigen retrieval

## Validation Data

performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.