Leader in Biomolecular Solutions for Life Science

[KD Validated] GM130 Rabbit pAb

Catalog No.: A5344SP

20 Publications

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Basic Information

Observed MW
140 kDa

Calculated MW
70 kDa/113 kDa

Category
Polyclonal Antibodies

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

Cross Reactivity
Human, Mouse, Rat

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	1:5000 - 1:15000
IP	0.5 μg - 4 μg antibody for 200 μg - 600 μg extracts of whole cells
IF/ICC	1:400 - 1:1600
IF-P	1:400 - 1:1600
IHC-P	1:2000 - 1:8000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
2801

Swiss-Prot
Q08379

Immunogen
This information is considered to be commercially sensitive.

Synonyms
GM130; DEDHMB

Contact

400-999-6126
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Product Information

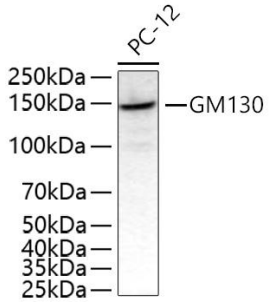
Source
Rabbit

Isotype
IgG

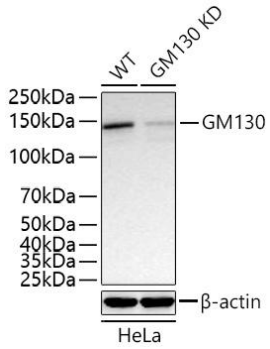
Purity
Affinity purification

Storage
Store at -20℃

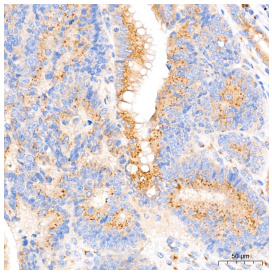
Validation Data



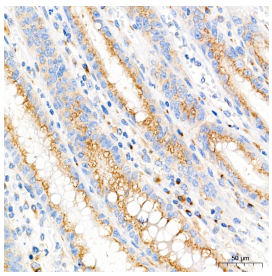
Western blot analysis of lysates from PC-12 cells using [KD Validated] GM130 Rabbit pAb (A5344SP) at 1:9000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



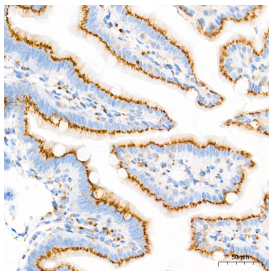
Western blot analysis of lysates from wild type (WT) and GM130 knockdown (KD) HeLa cells using [KD Validated] GM130 Rabbit pAb (A5344SP) at 1:9000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



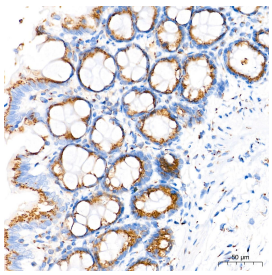
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KD Validated] GM130 Rabbit pAb (A5344SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using [KD Validated] GM130 Rabbit pAb (A5344SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

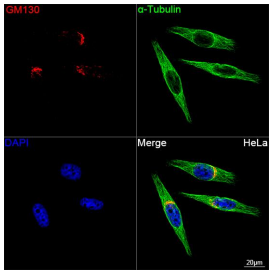


Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using [KD Validated] GM130 Rabbit pAb (A5344SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

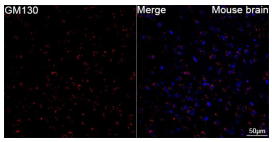


Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using [KD Validated] GM130 Rabbit pAb (A5344SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

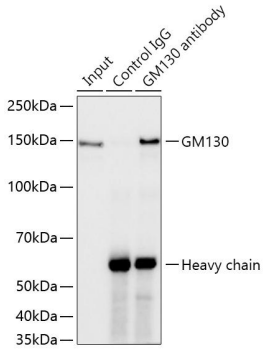
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Confocal imaging of HeLa cells using [KD Validated] GM130 Rabbit pAb (A5344SP, dilution 1:400) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin 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.



Confocal imaging of paraffin-embedded Mouse brain tissue using [KD Validated] GM130 Rabbit pAb (A5344SP, dilution 1:400) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01 M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunoprecipitation of GM130 from 300 μg extracts of Hep G2 cells was performed using 1 μg of [KD Validated] GM130 Rabbit pAb (A5344SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KD Validated] GM130 Rabbit pAb (A5344SP) at a dilution of 1:5000.