

GM130 (cis-Golgi Marker) Antibody

Catalog No: #48253

Package Size: #48253-1 50ul #48253-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

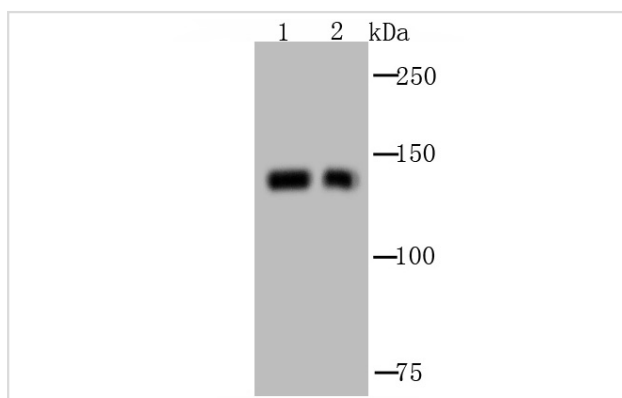
Description

Product Name	GM130 (cis-Golgi Marker) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	ProA affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	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
Accession No.	Swiss-Prot#:Q08379
Uniprot	Q08379
GeneID	2801;
Calculated MW	130 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:200

Images

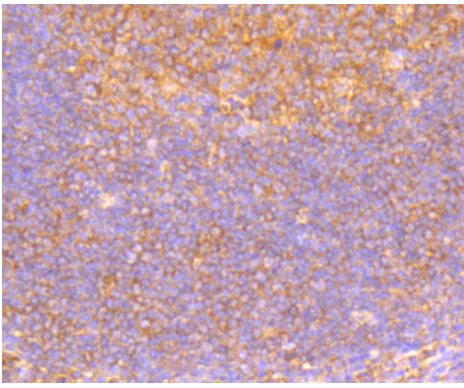


Western blot analysis of GM130 on different cell lysate using anti-GM130 antibody at 1/1,000 dilution.

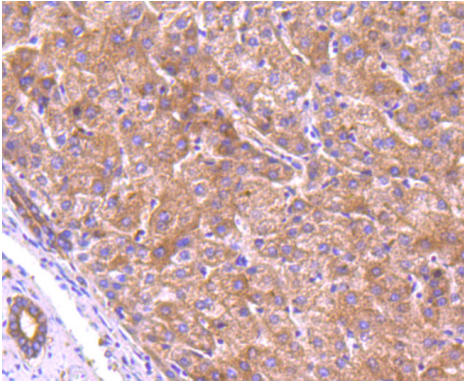
Positive control: Ω 1/2 Ω 1/2

Lane1: MCF-7

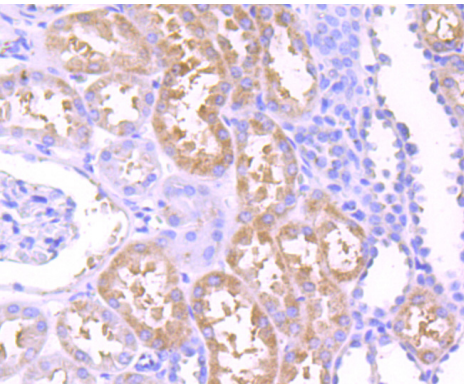
Lane2: Hela



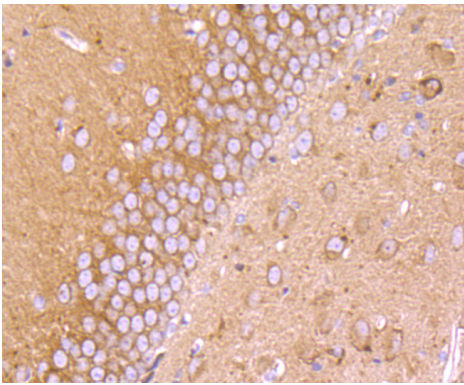
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-GM130 antibody. Counter stained with hematoxylin.



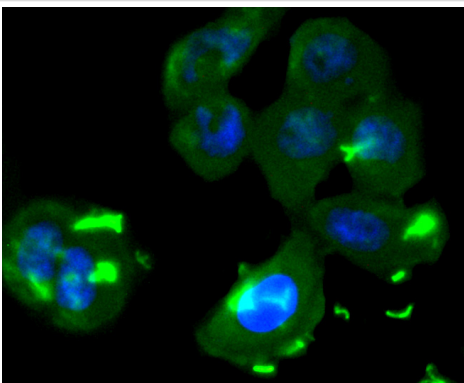
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-GM130 antibody. Counter stained with hematoxylin.



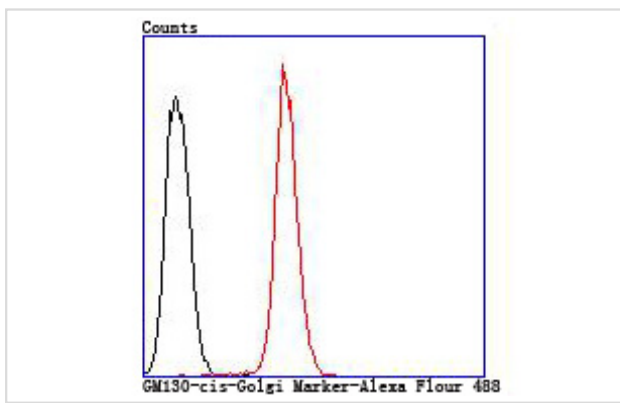
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-GM130 antibody. Counter stained with hematoxylin.



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



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.



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).

Background

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.

References

Note: This product is for in vitro research use only