

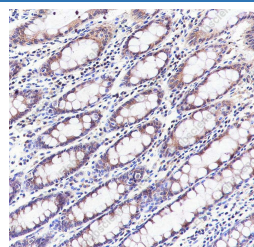
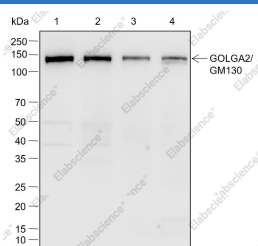
Recombinant GOLGA2/GM130 Monoclonal Antibody

catalog number: **AN302050L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description	
Reactivity	Human;Mouse
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C221671
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	
WB	1:1000
IHC	1:50-1:100

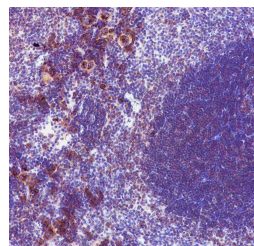
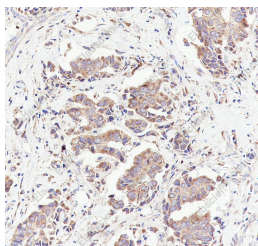
Data



Western Blot with GOLGA2/GM130 Monoclonal Antibody at dilution of 1:1000. Lane 1: K562, Lane 2: HeLa, Lane 3: HepG2, Lane 4: Neuro-2a

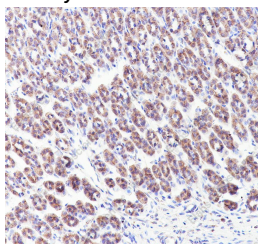
Immunohistochemistry of paraffin-embedded Human colon using GOLGA2/GM130 Monoclonal Antibody at dilution of 1:100.

Observed-MW:130 kDa
Calculated-MW:113 kDa



Immunohistochemistry of paraffin-embedded Human breast cancer using GOLGA2/GM130 Monoclonal Antibody at dilution of 1:100.

Immunohistochemistry of paraffin-embedded Mouse spleen using GOLGA2/GM130 Monoclonal Antibody at dilution of 1:100.



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Rev. V1.3

Immunohistochemistry of paraffin-embedded Rat stomach using GOLGA2/GM130 Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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. Required for normal protein transport from the endoplasmic reticulum to the Golgi apparatus and the cell 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: phosphorylation at Ser-37 by CDK1 at the onset of mitosis inhibits the interaction with p115/USO1, preventing tethering of COPI vesicles and thereby inhibiting transport through the Golgi apparatus during mitosis. Also plays a key role in spindle pole assembly and centrosome organization.

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