



A Reliable Research Partner in Life Science and Medicine

# 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 lgG, κ Clone A770

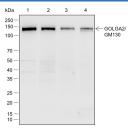
**Purification** Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

#### **Applications Recommended Dilution**

1:1000 **WB** 1:50-1:100 **IHC** 

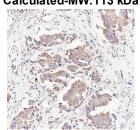
#### Data

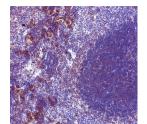


Western Blot with GOLGA2/GM130 Monoclonal Antibody at Immunohistochemistry of paraffin-embedded Human colon dilution of 1:1000. Lane 1: K562, Lane 2: HeLa, Lane 3:

using GOLGA2/GM130 Monoclonal Antibody at dilution of 1:100.

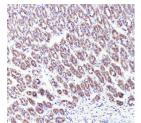
HepG2, Lane 4: Neuro-2a Observed-MW:130 kDa Calculated-MW:113 kDa





cancer using GOLGA2/GM130 Monoclonal Antibody at

dilution of 1:100.



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

Immunohistochemistry of paraffin-embedded Rat stomach using GOLGA2/GM130 Monoclonal Antibody at dilution of

## For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com



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# **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 thether that facilitates vesicle fusion to the Golgi membrane. Required for normal protein transport from the endoplasmicreticulum to the Golgi apparatus and the cell membrane. Together with p115/USO1 and STX5, involved in vesicle tethering and fusion at thecis-Golgi membrane to maintain the stacked and inter-connected structure of the Golgi apparatus. Plays a central role in mitotic Golgidisassembly: phosphorylation at Ser-37 by CDK1 at the onset of mitosis inhibits the interaction with p115/USO1, preventing tethering of COPIvesicles and thereby inhibiting transport through the Golgi apparatus during mitosis. Also plays a key role in spindle pole assembly andcentrosome organization.

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