

For Research Use Only

CoraLite® Plus 647-conjugated GOLGA2/GM130 Polyclonal antibody



Catalog Number: CL647-11308

Basic Information

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|--|---|---|
| Catalog Number: CL647-11308 | GenBank Accession Number: BC014188 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 2801 | Recommended Dilutions: IF 1:50-1:500 |
| Source: Rabbit | Full Name: golgi autoantigen, golgin subfamily a, 2 | Excitation/Emission maxima wavelengths: 654 nm / 674 nm |
| Isotype: IgG | Calculated MW: 111 kDa | |
| Immunogen Catalog Number: AG1848 | Observed MW: 130 kDa | |

Applications

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| Tested Applications: FC (Intra), IF | Positive Controls: IF : HepG2 cells, |
| Species Specificity: human, Canine | |

Background Information

GOLGA2, also known as GM130, is a 130 kDa cis-Golgi matrix protein which is one component of the detergent and salt resistant Golgi matrix. It is a peripheral membrane protein highly bound to Golgi membrane and localized mainly at the cytoplasmic face of cis-Golgi membrane. Together with its interacting partner proteins, including p115, giantin, GRASP65, and Rab GTPase, GOLGA2/GM130 is involved in the regulation of ER-to-Golgi transport and also in the maintenance of the Golgi structure. Emerging evidence suggest that the GOLGA2/GM130 has potential roles in the control of glycosylation, cell cycle progression, and higher order cell functions such as cell polarization and directed cell migration. (PMID: 20197635)

Storage

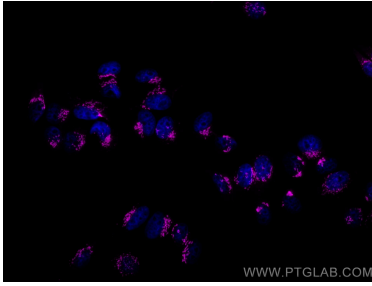
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

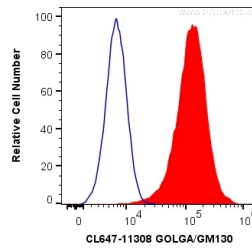
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 647 GOLGA2/GM130 antibody (CL647-11308) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human GOLGA2/GM130 (CL647-11308) (red), or 0.2 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).