For Research Use Only

CoraLite®594-conjugated GOLGA2/GM130 Polyclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL594-11308

Basic Information

Catalog Number:
CL594-11308

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1848

GenBank Accession Number:
BC014188

GeneID (NCBI):
2801

UNIPROT ID:
Q08379

Full Name:
golgi autoantigen, golgin subfamily a, 2

Calculated MW:
111 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
FC (Intra), IF/ICC

Species Specificity:
human

Positive Controls:

IF : HepG2 cells,

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.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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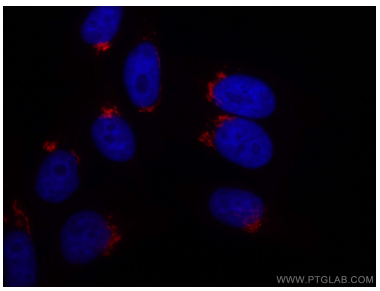
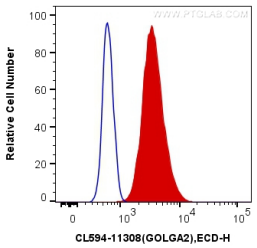
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 GOLGA2/GM130 antibody (CL594-11308) at dilution of 1:200.



1X10^6 HepG2 cells were intracellularly stained with 0.2 ug CoraLite®594 Anti-Human GOLGA2/GM130 (CL594-11308) (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).