

# CoraLite®594-conjugated GORASP2 Monoclonal antibody

Catalog Number: **CL594-66627**

## Basic Information

**Catalog Number:**

CL594-66627

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG17607

**GenBank Accession Number:**

BC007770

**GeneID (NCBI):**

26003

**UNIPROT ID:**

Q9H8Y8

**Full Name:**

golgi reassembly stacking protein 2,  
55kDa

**Calculated MW:**

55 kDa

**Observed MW:**

59 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1C9A3

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC, FC (Intra)

**Species Specificity:**

human, rat, pig

**Positive Controls:**

IF/ICC : HepG2 cells,

## Background Information

GORASP2 (Golgi reassembly-stacking protein 2, or GRS2) has multiple phosphorylation sites and can be phosphorylated by MKK/ERK pathway during mitosis. GORASP2 plays a role in the assembly and membrane stacking of the Golgi cisternae, and in the process by which Golgi stacks reform after mitotic breakdown. GORASP2 is supposed to regulate the intracellular transport and presentation of a defined set of transmembrane proteins, such as transmembrane TGFA.

## Storage

**Storage:**

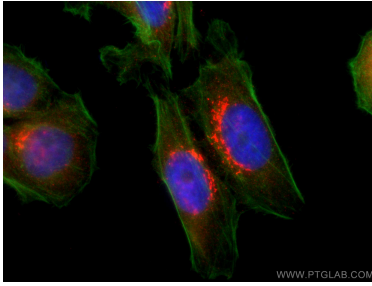
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

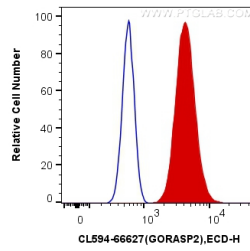
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 GORASP2 antibody (CL594-66627, Clone: 1C9A3) at dilution of 1:200, CL488-Phalloidin (green).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human GORASP2 (CL594-66627, Clone:1C9A3) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.