

For Research Use Only

CoraLite® Plus 488-conjugated GORASP2 Monoclonal antibody



Catalog Number: **CL488-66627**

Basic Information

| | | |
|---|--|---|
| Catalog Number: CL488-66627 | GenBank Accession Number: BC007770 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 26003 | CloneNo.: 1C9A3 |
| Source: Mouse | UNIPROT ID: Q9H8Y8 | Recommended Dilutions: IF/ICC 1:50-1:500 |
| Isotype: IgG1 | Full Name: golgi reassembly stacking protein 2, 55kDa | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Immunogen Catalog Number: AG17607 | Calculated MW: 55 kDa | |
| | Observed MW: 59 kDa | |

Applications

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|---|--|
| Tested Applications: IF/ICC, FC (Intra) | Positive Controls: IF/ICC : HepG2 cells, |
| Species Specificity: human, rat, pig | |

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.
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:

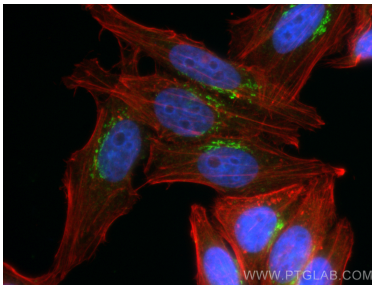
T: 4006900926

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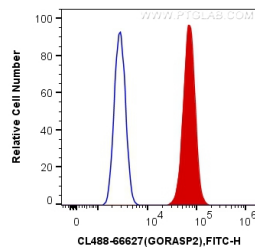
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 GORASP2 antibody (CL488-66627, Clone: 1C9A3) at dilution of 1:200, CL594-Phalloidin (red).



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human GORASP2 (CL488-66627, Clone:1C9A3) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).