

For Research Use Only

CoraLite® Plus 488-conjugated Geminin Polyclonal antibody



Catalog Number: CL488-10802

Basic Information

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|--|---|--|
| Catalog Number: CL488-10802 | GenBank Accession Number: BC005185 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 51053 | Recommended Dilutions: IF 1:50-1:500 |
| Source: Rabbit | Full Name: geminin, DNA replication inhibitor | Excitation/Emission maximum wavelengths: 488 nm / 515 nm |
| Isotype: IgG | Calculated MW: 24 kDa | |
| Immunogen Catalog Number: AG1076 | Observed MW: 28-29 kDa | |

Applications

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

Background Information

GMNN, also designated geminin, contains 212 amino acids and has a destruction box sequence (RRTLKVIQP). GMNN participates in inhibiting DNA replication by preventing the incorporation of MCM complex into pre-replication complex (pre-RC). It is degraded during the metaphase-anaphase transition of cell cycle's mitotic phase, which permits replication in the succeeding cell cycle. GMNN has a broad sedimentation profile ranging from about 25 kDa to 90 kDa, with a major peak at 30 kDa. Scanning of the signals shows that discrete peaks corresponding to apparent mass of 42.5 kDa and 66 kDa are present. (PMID: 15313623)

Storage

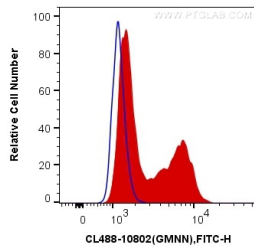
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

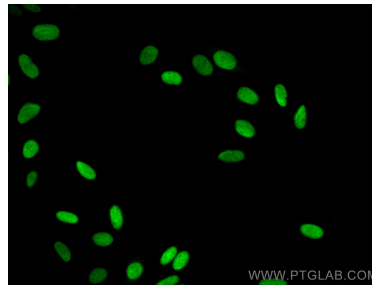
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

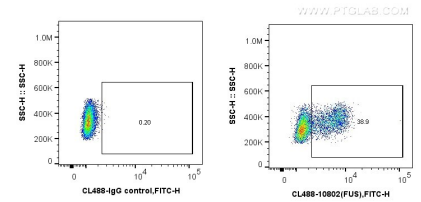
Selected Validation Data



1X10⁶ MCF-7 cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human Geminin (CL488-10802) (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 Geminin antibody (CL488-10802) at dilution of 1:200.



1X10⁶ MCF-7 cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human Geminin (CL488-10802) (right), or 0.2 ug Control Antibody (left). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).