

For Research Use Only

# CoraLite®594-conjugated Geminin Polyclonal antibody

Catalog Number:CL594-10802



## Basic Information

Catalog Number:

CL594-10802

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1076

GenBank Accession Number:

BC005185

GeneID (NCBI):

51053

UNIPROT ID:

O75496

Full Name:

geminin, DNA replication inhibitor

Calculated MW:

24 kDa

Observed MW:

28-29 kDa

Purification Method:

Antigen affinity purification

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, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

## 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. 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

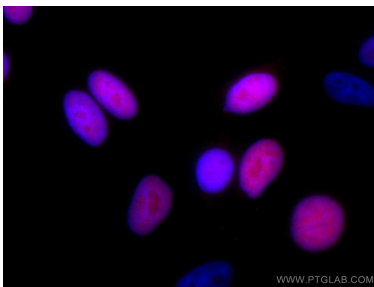
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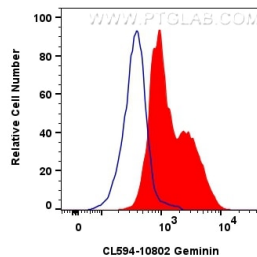
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 Geminin antibody (CL594-10802) at dilution of 1:200.



1x10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.8 ug CoraLite®594-conjugated Geminin Polyclonal antibody (CL594-10802)(red), or 0.8 ug CoraLite®594-conjugated Rabbit IgG control Rabbit PolyAb (CL594-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).