

# CoraLite® Plus 488-conjugated Geminin Polyclonal antibody

Catalog Number: **CL488-10802**

## Basic Information

**Catalog Number:**

CL488-10802

**Size:**

1000 µg/ml

**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:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**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:**

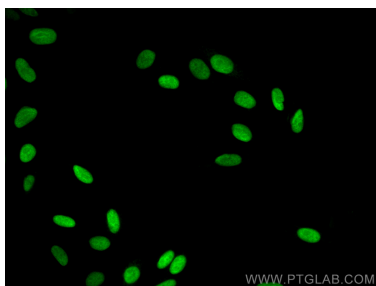
Store at -20°C. Avoid exposure to light.

**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® Plus 488 Geminin antibody (CL488-10802) at dilution of 1:200.