

For Research Use Only

# CoraLite®594-conjugated Geminin Recombinant antibody

Catalog Number: CL594-84199-2



## Basic Information

<b>Catalog Number:</b> CL594-84199-2	<b>GenBank Accession Number:</b> BC005185	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 51053	<b>CloneNo.:</b> 240835B5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75496	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> geminin, DNA replication inhibitor	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG1076	<b>Calculated MW:</b> 24 kDa	
	<b>Observed MW:</b> 28-29 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human	

## 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 the 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 the apparent mass of 42.5 kDa and 66 kDa are present. The dimer of geminin(50 kDa) can also be detected. (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, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

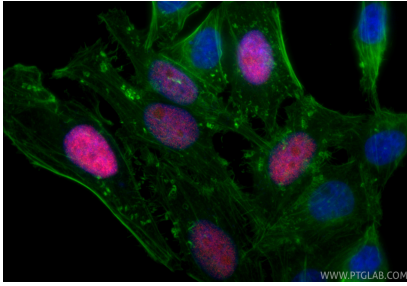
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 Geminin antibody (CL594-84199-2, Clone: 240835B5 ) at dilution of 1:200, CL488-Phalloidin (green).