

For Research Use Only



CoraLite® Plus 647-conjugated Geminin Recombinant monoclonal antibody

Catalog Number:CL647-84199-2

Basic Information

Catalog Number: CL647-84199-2	GenBank Accession Number: BC005185	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 51053	CloneNo.: 240835B5
Source: Rabbit	UNIPROT ID: O75496	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: geminin, DNA replication inhibitor	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG1076	Calculated MW: 24 kDa	
	Observed MW: 28-29 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: 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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 647 Geminin antibody (CL647-84199-2, Clone: 240835B5) at dilution of 1:200, CL488-phalloidin (green).