

For Research Use Only

CoraLite®594-conjugated Geminin Monoclonal antibody

Catalog Number:CL594-66566



Basic Information

Catalog Number: CL594-66566	GenBank Accession Number: BC005185	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 51053	CloneNo.: 2E3A2
Source: Mouse	UNIPROT ID: O75496	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: geminin, DNA replication inhibitor	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG24283	Calculated MW: 24 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells, 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 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)

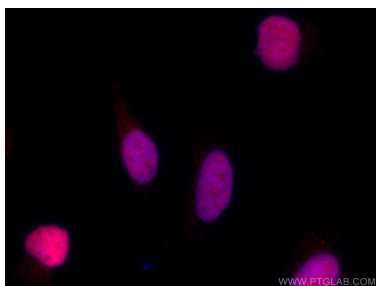
Storage

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

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 HeLa cells using CoraLite®594 GMNN antibody (CL594-66566, Clone: 2E3A2) at dilution of 1:200.