

For Research Use Only

Geminin Monoclonal antibody, PBS Only

Catalog Number: 66566-1-PBS



Basic Information

Catalog Number: 66566-1-PBS	GenBank Accession Number: BC005185	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 51053	CloneNo.: 2E3A2
Source: Mouse	UNIPROT ID: O75496	
Isotype: IgG1	Full Name: geminin, DNA replication inhibitor	
Immunogen Catalog Number: AG24283	Calculated MW: 24 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS Only

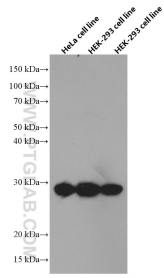
For technical support and original validation data for this product please contact:

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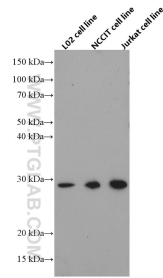
E: proteintech@ptglab.com
W: ptglab.com

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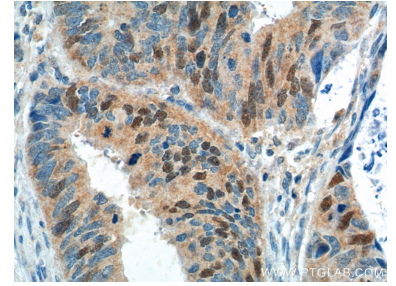
Selected Validation Data



Various cells were subjected to SDS PAGE followed by western blot with 66566-1-Ig (GMNN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66566-1-PBS in a different storage buffer formulation.



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Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66566-1-Ig (GMNN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66566-1-PBS in a different storage buffer formulation.