

For Research Use Only

# Geminin Recombinant antibody, PBS Only

Catalog Number: 84199-1-PBS



## Basic Information

Catalog Number:	84199-1-PBS	GenBank Accession Number:	BC005185	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	51053	CloneNo.:	240835E6
Source:	Rabbit	UNIPROT ID:	O75496		
Isotype:	IgG	Full Name:	geminin, DNA replication inhibitor		
Immunogen Catalog Number:	AG1076	Calculated MW:	24 kDa		

## Applications

Tested Applications:  
IF/ICC, 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:  
PBS Only

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

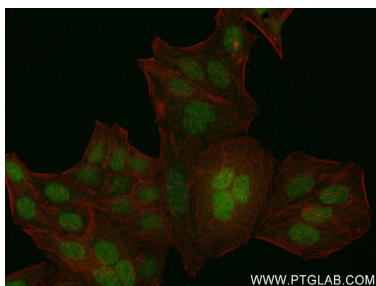
T: 4006900926

E: Proteintech-CN@ptglab.com

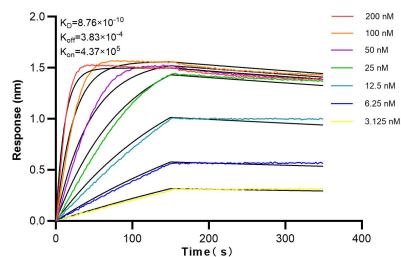
W: ptgcn.com

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GMNN antibody (84199-1-RR, Clone: 240835E6) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84199-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84199-1-RR against Human GMNN were performed. The affinity constant is 0.876 nM.