

For Research Use Only

Geminin Recombinant antibody

Catalog Number: 84199-1-RR



Basic Information

Catalog Number: 84199-1-RR	GenBank Accession Number: BC005185	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 51053	CloneNo.: 240835E6
Source: Rabbit	UNIPROT ID: O75496	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: geminin, DNA replication inhibitor	
Immunogen Catalog Number: AG1076	Calculated MW: 24 kDa	

Applications

Tested Applications: IF/ICC, ELISA	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 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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

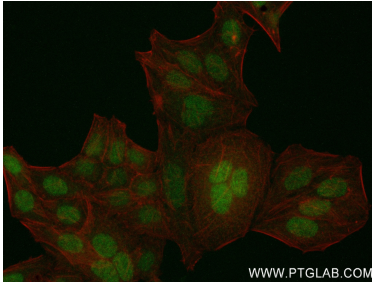
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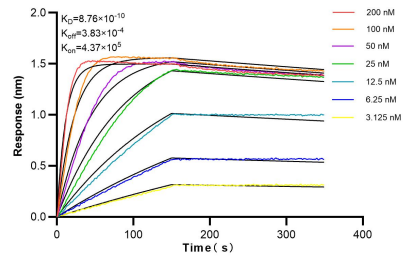
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Selected Validation Data



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).



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