

For Research Use Only

GMNN Monoclonal antibody

Catalog Number: 66566-1-Ig **1 Publications**



Basic Information

Catalog Number: 66566-1-Ig	GenBank Accession Number: BC005185	Purification Method: Protein G purification
Size: 150ul , Concentration: 1200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51053	CloneNo.: 2E3A2
Source: Mouse	Full Name: geminin, DNA replication inhibitor	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:800
Isotype: IgG1	Calculated MW: 24 kDa	
Immunogen Catalog Number: AG24283	Observed MW: 28 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HeLa cells, L02 cells, HEK-293 cells, NCCIT cells, Jurkat cells
Species Specificity: Human	IHC : human colon cancer tissue, human tonsillitis tissue
Cited Species: rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Kellen D Winden	37494191	Cell Rep	WB

Storage

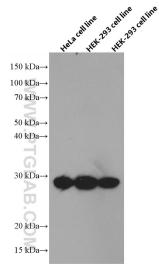
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

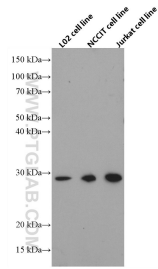
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

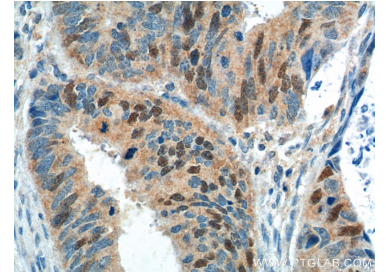
Selected Validation Data



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.



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.



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)).