

For Research Use Only

# GMNN Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 66566-1-Ig	<b>GenBank Accession Number:</b> BC005185	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul, Concentration: 1200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51053	<b>CloneNo.:</b> 2E3A2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75496	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> geminin, DNA replication inhibitor	
<b>Immunogen Catalog Number:</b> AG24283	<b>Calculated MW:</b> 24 kDa	
	<b>Observed MW:</b> 28 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB:</b> HeLa cells, L02 cells, HEK-293 cells, NCCIT cells, Jurkat cells
<b>Species Specificity:</b> human	<b>IHC:</b> human colon cancer tissue, human tonsillitis tissue
<b>Cited Species:</b> 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

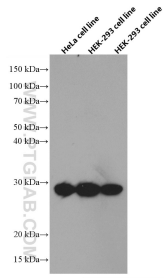
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

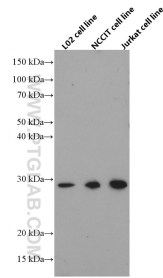
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

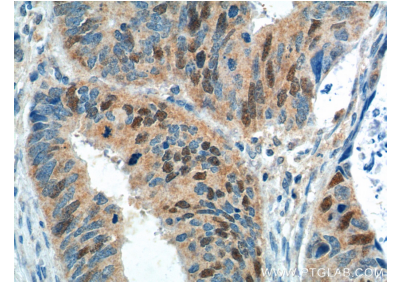
## Selected Validation Data



Various cells were subjected to SDS PAGE followed by western blot with 66566-1-Ig (GMN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66566-1-Ig (GMN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).