

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: 1200 µg/ml	GeneID (NCBI): 51053	CloneNo.: 2E3A2
Source: Mouse	UNIPROT ID: O75496	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:800
Isotype: IgG1	Full Name: geminin, DNA replication inhibitor	
Immunogen Catalog Number: AG24283	Calculated MW: 24 kDa	
	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

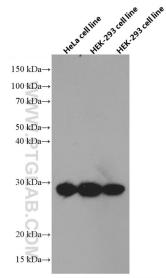
Storage

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

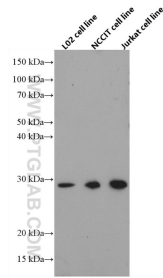
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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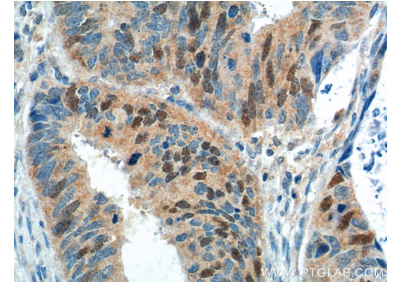
Selected Validation Data



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).