

For Research Use Only

GMNN Monoclonal antibody, PBS Only



Catalog Number: 66566-1-PBS

Basic Information

Catalog Number:

66566-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24283

GenBank Accession Number:

BC005185

GeneID (NCBI):

51053

UNIPROT ID:

O75496

Full Name:

geminin, DNA replication inhibitor

Calculated MW:

24 kDa

Observed MW:

28 kDa

Purification Method:

Protein G purification

CloneNo.:

2E3A2

Applications

Tested Applications:

WB, Indirect ELISA, IHC

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:

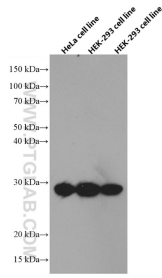
T: 4006900926

E: Proteintech-CN@ptglab.com

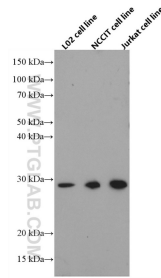
W: ptgcn.com

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

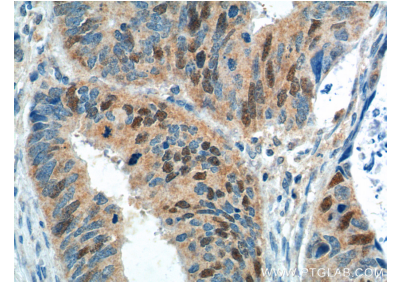
Selected Validation Data



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. This data was developed using the same antibody clone with 66566-1-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 66566-1-PBS in a different storage buffer formulation.