

For Research Use Only

# GANP Polyclonal antibody

Catalog Number: 11054-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 11054-1-AP	<b>GenBank Accession Number:</b> BC013285	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 850 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8888	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> minichromosome maintenance complex component 3 associated protein	<b>IHC 1:10-1:100</b> <b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 218 kDa	
<b>Immunogen Catalog Number:</b> AG1486	<b>Observed MW:</b> 75-80 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB: mouse brain tissue, NIH/3T3 cells
<b>Cited Applications:</b> IF, WB	<b>IP:</b> mouse brain tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> human colon cancer tissue,
<b>Cited Species:</b> human, monkey	<b>IF:</b> HepG2 cells,

**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

The minichromosome maintenance protein 3 (MCM3) is one of the MCM proteins essential for the initiation of DNA replication. MCM3AP is MCM3 associated protein, and it has phosphorylation-dependent DNA-primase activity, which was up-regulated in antigen immunization induced germinal center. The mutagenesis of a nuclear localization signal of MCM3 affects the binding of this protein with MCM3, suggesting that MCM3AP may also facilitate MCM3 nuclear localization. Besides, MCM3AP is an acetyltransferase containing putative acetyl CoA binding motifs conserved within the GCN5-related N-acetyltransferase superfamily.

## Notable Publications

Author	Pubmed ID	Journal	Application
Maeda Kazuhiko K	20507984	J Biol Chem	WB,IF
Chunqing Yang	29375300	Front Mol Neurosci	WB
Singh Shailendra Kumar SK	23652018	Nat Commun	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

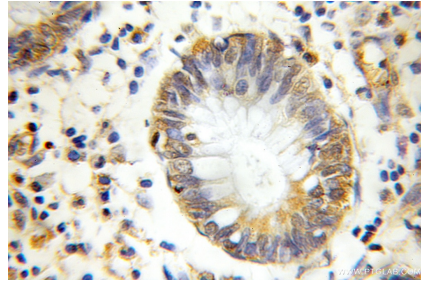
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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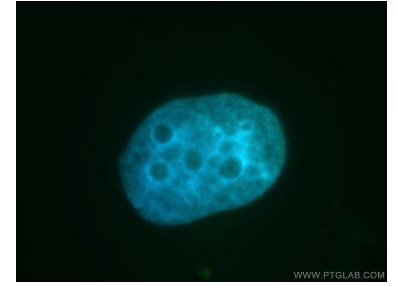
## Selected Validation Data



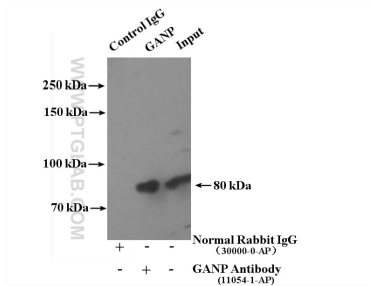
mouse brain tissue were subjected to SDS PAGE followed by western blot with 11054-1-AP (GANP antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11054-1-AP (GANP antibody) at dilution of 1:10 (under 10x lens).



Immunofluorescent analysis of HepG2 cells, using MCM3AP antibody 11054-1-AP at 1:100 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-GANP (IP:11054-1-AP, 4ug; Detection:11054-1-AP 1:500) with mouse brain tissue lysate 4000ug.