

## **GANP Polyclonal Antibody**

## Description

Product type Primary Antibody

Code BT-AP03461

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human GANP. AA range:1841-1890

Mol wt 218405

Species reactivity Human, Mouse

**Clonality** Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name GANP Antibody

Synonyms MCM3AP; GANP; KIAA0572; MAP80; 80 kDa MCM3-associated protein; Protein GANP

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

## Background

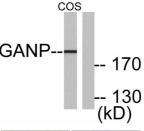
The minichromosome maintenance protein 3 (MCM3) is one of the MCM proteins essential for the initiation of DNA replication. The protein encoded by MCM3AP (minichromosome maintenance complex component 3 associated protein) is a MCM3 binding protein. It was reported to have phosphorylation-dependent DNA-primase activity, which was up-regulated in antigen immunization induced germinal center. This protein was demonstrated to be an acetyltransferase that acetylates MCM3 and plays a role in DNA replication. The mutagenesis of a nuclear localization signal of MCM3 affects the binding of this protein with MCM3, suggesting that this protein may also facilitate MCM3 nuclear localization. MCM3AP is expressed in the brain or in neuronal tissue. An allelic variant encoding amino acid Lys at 915, instead of conserved Glu, has been identified in patients with mild intellectual disability.

## Recommended Dilution

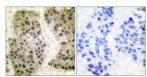
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.





Western blot analysis of lysates from COS7 cells, using GANP Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using GANP Antibody. The picture on the right is blocked with the synthesized peptide.

-20°C for one year

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