

Datasheet for ABIN7193448
anti-GANP antibody (AA 293-442)[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 0.1 mg |
| Target: | GANP (MCM3AP) |
| Binding Specificity: | AA 293-442 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This GANP antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

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|---------------|---|
| Immunogen: | Purified recombinant fragment of human MCM3AP (AA: 293-442) expressed in E. coli. |
| Clone: | 5B2C4 |
| Isotype: | IgG1 |
| Purification: | purified |

Target Details

| | |
|-------------------|---|
| Target: | GANP (MCM3AP) |
| Alternative Name: | MCM3AP (MCM3AP Products) |
| Background: | Description: The minichromosome maintenance protein 3 (MCM3) is one of the MCM proteins essential for the initiation of DNA replication. The protein encoded by this gene is a MCM3 |

Target Details

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. This gene 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.

Aliases: GANP, SAC3, MAP80, PNRIID

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|-------------------|-----------|
| Molecular Weight: | 218.4 kDa |
|-------------------|-----------|

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| Gene ID: | 8888 |
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| Pathways: | Protein targeting to Nucleus |
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Application Details

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| Application Notes: | WB:1:500 - 1:2000, ELISA:1:10000, |
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|---------------|-----------------------|
| Restrictions: | For Research Use only |
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Handling

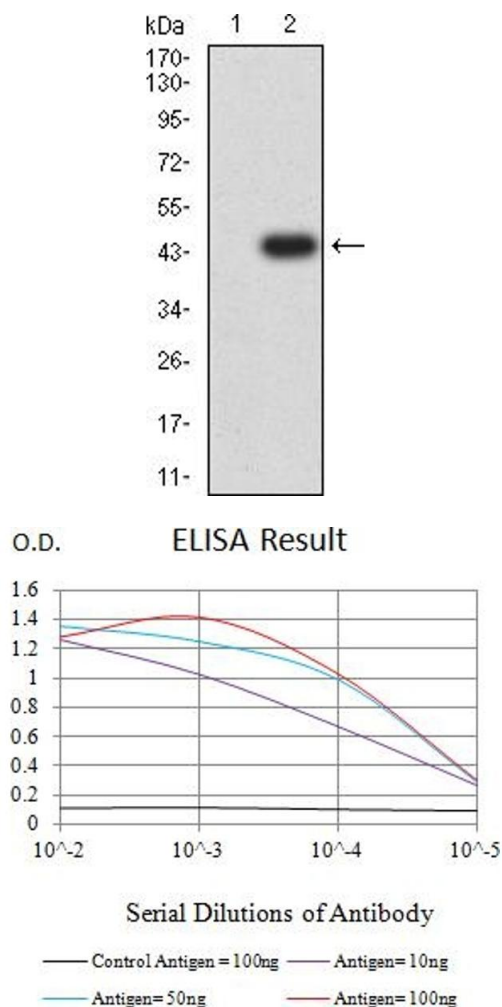
| | |
|---------|---|
| Buffer: | Purified antibody in PBS with 0.05 % sodium azide |
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|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Storage: | 4 °C/-20 °C |
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| Storage Comment: | 4°C, -20°C for long term storage |
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Western Blotting

Image 1. Western blot analysis using MCM3AP mAb against HEK293 (1) and MCM3AP (AA: 293-442)-hlgGfc transfected HEK293 (2) cell lysate.

ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using MCM3AP mAb against human MCM3AP (AA: 293-442) recombinant protein. (Expected MW is 42.5 kDa)