

## Recombinant SIN3A Monoclonal Antibody

catalog number: **AN302059L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

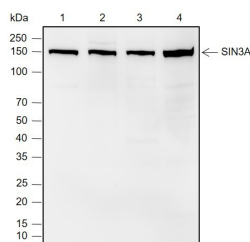
### Description

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Rat;Mouse                                                 |
| <b>Immunogen</b>    | Peptide. This information is proprietary to PTMab.              |
| <b>Host</b>         | Rabbit                                                          |
| <b>Isotype</b>      | IgG, $\kappa$                                                   |
| <b>Clone</b>        | A779                                                            |
| <b>Purification</b> | Protein A purified                                              |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications Recommended Dilution

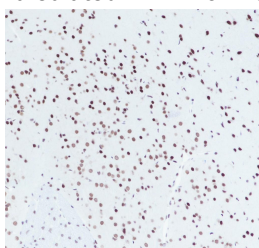
|            |               |
|------------|---------------|
| <b>WB</b>  | 1:1000-1:2000 |
| <b>IHC</b> | 1:100-1:1000  |
| <b>IP</b>  | 1:50-1:100    |

### Data

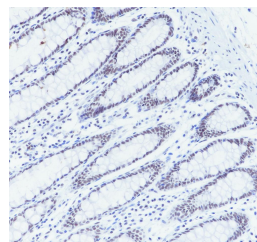


Western Blot with SIN3A Monoclonal Antibody at dilution of 1:2000. Lane 1: K562, Lane 2: HeLa, Lane 3: MCF-7, Lane 4: Jurkat

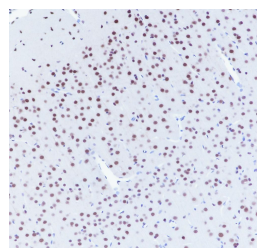
**Observed-MW:150 kDa**  
**Calculated-MW:145 kDa**



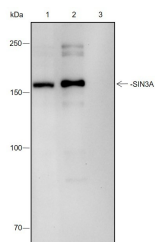
Immunohistochemistry of paraffin-embedded Mouse cerebrum using SIN3A Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human colon using SIN3A Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Rat cerebrum using SIN3A Monoclonal Antibody at dilution of 1:1000.



### For Research Use Only

Toll-free: 1-888-852-8623  
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Rev. V1.1

Immunoprecipitation analysis using anti-SIN3A Monoclonal Antibody. Western blot was performed from the immunoprecipitate using SIN3A Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: Rabbit monoclonal IgG Isotype, Lane 3: SIN3A Monoclonal Antibody

**Observed-MW:150 kDa**

**Calculated-MW:145 kDa**

## Preparation & Storage

**Storage** Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** Ice bag

## Background

onBackground Acts as a transcriptional repressor. Corepressor for REST. Interacts with MXI1 to repress MYC responsive genes and antagonize MYC oncogenic activities. Also interacts with MXD1-MAX heterodimers to repress transcription by tethering SIN3A to DNA. Acts cooperatively with OGT to repress transcription in parallel with histone deacetylation. Involved in the control of the circadian rhythms. Required for the transcriptional repression of circadian target genes, such as PER1, mediated by the large PER complex through histone deacetylation. Cooperates with FOXK1 to regulate cell cycle progression probably by repressing cell cycle inhibitor genes expression. Required for cortical neuron differentiation and callosal axon elongation.

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