Recombinant SIN3A Monoclonal Antibody

catalog number: **AN302059L**

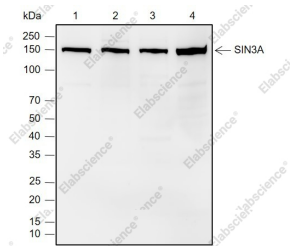
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C121680
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-1:2000
IHC	1:100-1:1000
IP	1:50-1:100

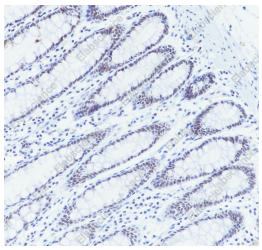
Data



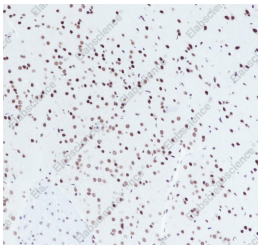
Western Blot with SIN3A Monoclonal Antibody at dilution of 1:2000. Lane 1: K562, Lane 2: HeLa, Lane 3: MCF-7, Lane 4: Jurkat

Observed-MW:150 kDa

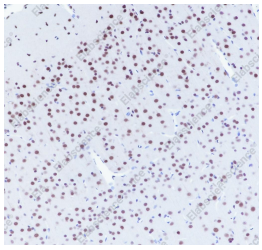
Calculated-MW:145 kDa



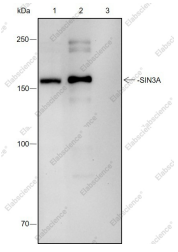
Immunohistochemistry of paraffin-embedded Human colon using SIN3A Monoclonal Antibody at dilution of 1:1000.



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



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



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 MYConcogenic activities. Also interacts with MXD1-MAX heterodimers to repress transcription by tethering SIN3A to DNA. Acts cooperativelywith OGT to repress transcription in parallel with histone deacetylation. Involved in the control of the circadian rhythms. Required for thetranscriptional 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 corticalneuron differentiation and callosal axon elongation.