

# mSin3A Rabbit mAb

Catalog # AP77746

### **Product Information**

**Application** WB, IHC-P, IF, FC, ICC

Primary Accession Q96ST3

Reactivity Rat, Human, Mouse

**Host** Rabbit

**Clonality** Monoclonal Antibody

**Isotype** IgG

**Conjugate** Unconjugated

**Immunogen** A synthesized peptide derived from human mSin3A

**Purification** Affinity Chromatography

Calculated MW 145175

## **Additional Information**

**Gene ID** 25942

Other Names SIN3A

**Dilution** WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A

Format Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02%

sodium azide and 50% glycerol.

**Storage** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

#### **Protein Information**

Name SIN3A ( HGNC:19353)

**Function** 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 (By similarity). Required for cortical neuron differentiation and callosal axon

elongation (By similarity).

Cellular Location Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00810,

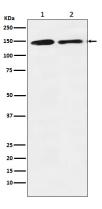
ECO:0000269 | PubMed:16820529}. Nucleus, nucleolus. Note=Recruited to the

nucleolus by SAP30L

### **Tissue Location**

Expressed in the developing brain, with highest levels of expression detected in the ventricular zone of various cortical regions.

# **Images**



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