

mSin3A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58136

Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession Q60520

Reactivity Rat, Pig, Dog, Bovine

HostRabbitClonalityPolyclonalCalculated MW145088

Additional Information

Gene ID 20466

Other Names Paired amphipathic helix protein Sin3a, Histone deacetylase complex subunit

Sin3a, Transcriptional corepressor Sin3a, Sin3a, Kiaa4126

Dilution WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000

-10000

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name Sin3a

Synonyms Kiaa4126

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 (PubMed:22476904). Required for cortical neuron differentiation and callosal

axon elongation (PubMed: 27399968).

Cellular Location Nucleus. Nucleus, nucleolus {ECO:0000250 | UniProtKB:Q96ST3}.

Note=Recruited to the nucleolus by SAP30L.

{ECO:0000250|UniProtKB:Q96ST3, ECO:0000269|PubMed:21454521}

Tissue Location

Widely expressed. Highest levels in testis, lung and thymus. Expressed at relatively high levels throughout brain development. In adult mice, expression is high in neurogenic regions such as the subventricular zone, rostral migratory stream, olfactory bulb and dentate gyrus (PubMed:27399968)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.