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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
Host	Rabbit
Clonality	Polyclonal
Calculated MW	145088

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
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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)