

## ARG59902 anti-SIN3A antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SIN3A
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SIN3A
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-120 of Human SIN3A (NP_056292.1).
Conjugation	Un-conjugated
Alternate Names	Transcriptional corepressor Sin3a; Paired amphipathic helix protein Sin3a; Histone deacetylase complex subunit Sin3a

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IP	1:50 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293T	
Observed Size	165 kDa	

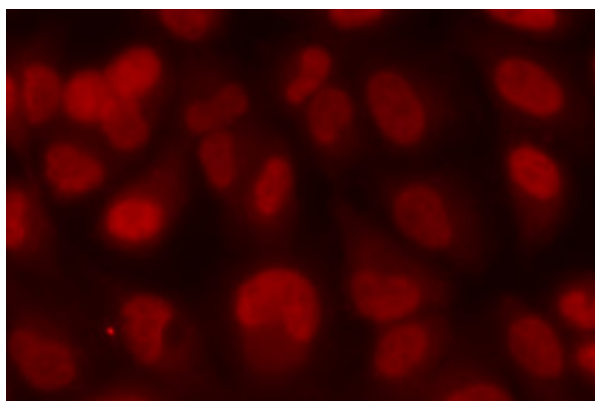
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

Gene Symbol	SIN3A
Gene Full Name	SIN3 transcription regulator family member A
Background	The protein encoded by this gene is a transcriptional regulatory protein. It contains paired amphipathic helix (PAH) domains, which are important for protein-protein interactions and may mediate repression by the Mad-Max complex. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	145 kDa
PTM	SUMO1 sumoylated by TOPORS. Probably desumoylated by SENP2. [UniProt]
Cellular Localization	Nucleus. Nucleus, nucleolus. Note=Recruited to the nucleolus by SAP30L. [UniProt]

## Images



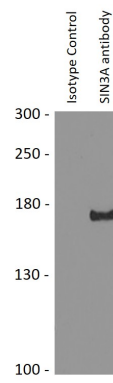
ARG59902 anti-SIN3A antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG59902 anti-SIN3A antibody.



ARG59902 anti-SIN3A antibody WB image

Western blot: 25 µg of 293T cell lysate stained with ARG59902 anti-SIN3A antibody at 1:1000 dilution.



#### ARG59902 anti-SIN3A antibody IP image

Immunoprecipitation: 200 µg extracts of HeLa cells immunoprecipitated and stained with ARG59902 anti-SIN3A antibody at 1:500 dilution.