Product Datasheet

mSin3A Rabbit mAb

Catalog No: #49594

Package Size: #49594-1 50ul #49594-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

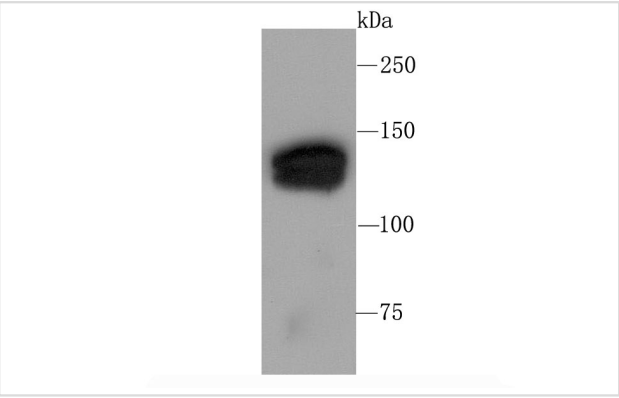
Description

Product Name	mSin3A Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA94-31
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	AW553200 antibody DKFZP434K2235 antibody FLJ90319 antibody Histone deacetylase complex subunit Sin 3a antibody Histone deacetylase complex subunit Sin3a antibody KIAA0700 antibody Kiaa4126 antibody mKIAA4126 antibody Paired amphipathic helix protein Sin 3a antibody Paired amphipathic helix protein Sin3a antibody Sin 3a antibody SIN3 homolog A antibody SIN3 homolog A transcription regulator (yeast) antibody SIN3 homolog A transcription regulator antibody SIN3 transcription regulator homolog A antibody Sin3a antibody SIN3A protein antibody SIN3A_HUMAN antibody Transcriptional co repressor Sin 3A antibody Transcriptional co repressor Sin3A antibody Transcriptional corepressor Sin3a antibody Transcriptional regulator SIN3A antibody
Accession No.	Swiss-Prot#:Q96ST3
Uniprot	Q96ST3
GeneID	25942;
Calculated MW	145 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

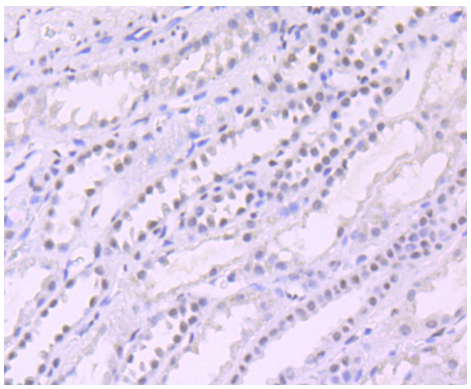
Application Details

WB: 1:500-1:2,000 IHC: 1:50 ICC: 1:50-1:200FC: 1:50-1:100

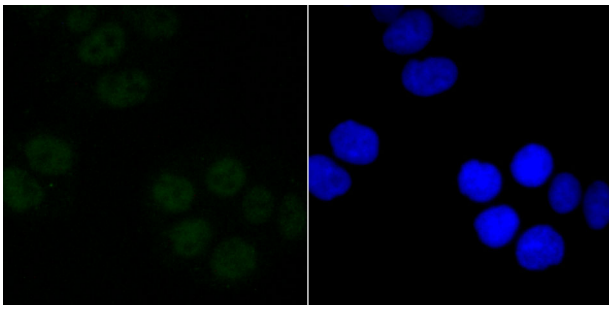
Images



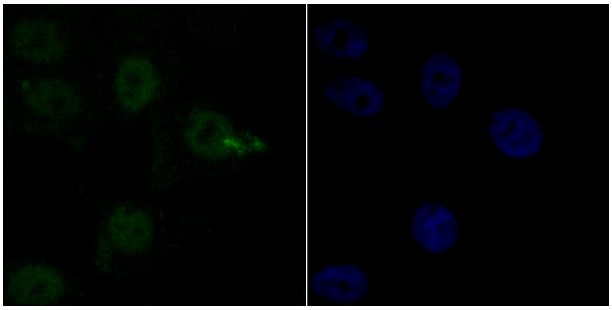
Western blot analysis of mSin3A on 293T cell using anti-mSin3A antibody at 1/1,000 dilution.



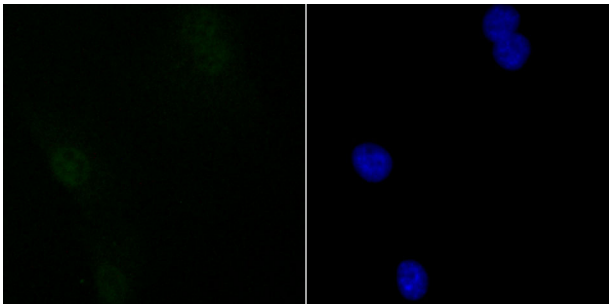
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-mSin3A antibody. Counter stained with hematoxylin.



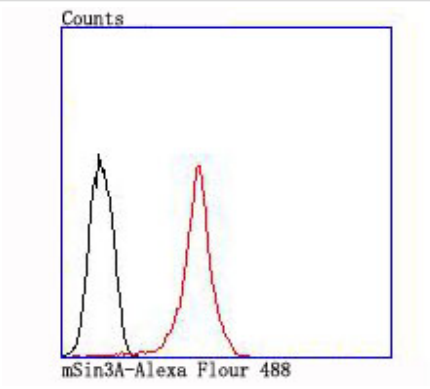
ICC staining mSin3A in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining mSin3A in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining mSin3A in NIH-3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of MCF-7 cells with mSin3A antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

It is now well established that Myc regulation of cell proliferation and differentiation involves a family of related transcription factors. One such factor, Max, is an obligate heterodimeric partner for Myc and can also form heterodimers with at least four related proteins designated Mad 1, Mxi1 (alternatively designated Mad 2), Mad 3 and Mad 4. Like Mad 1 and Mxi1, association of Mad 3 and Mad 4 with Max results in transcriptional repression. Both Myc and the Mad proteins have short half-lives and their synthesis is tightly regulated, while Max expression is constitutive and relatively stable. Two related mammalian cDNAs have been identified and shown to encode Mad-binding proteins. Both possess sequence homology with the yeast transcription repressor Sin3 including four conserved paired amphipathic helix (PAH) domains. mSin3A and mSin3B specifically interact with the Mad proteins via their second paired amphipathic helix domain (PAH2). It has been suggested that Mad-Max heterodimers repress transcription by tethering mSin3 to DNA as corepressors.

References

Note: This product is for in vitro research use only