

SIN3A Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues M(1) K R R L D D Q E S D V Y A A Q Q R R(19) of mouse mSin3A.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2187625

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5 µg/mL	5 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:500	-
Immunocytochemistry (ICC/IF)	1:50-1:500	1 Publication
Immunoprecipitation (IP)	Assay-dependent	-
ChIP assay (ChIP)	1-3 µL	-

Product Specific Information

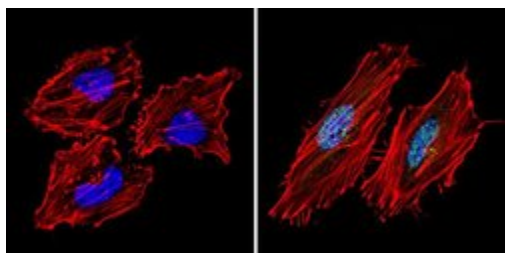
PA1-870 detects mSin3A from human and mouse tissues and cells.

PA1-870 has been successfully used in Western blot, ICC/IF ChIP, IHC-P and immunoprecipitation procedures. By Western blot, this antibody detects an ~150 kDa protein representing mSin3A from T47D cell extract.

PA1-870 immunogen is a synthetic peptide corresponding to residues M(1) K R R L D D Q E S D V Y A A Q Q R R(19) of mouse mSin3A. This immunizing peptide (Cat. # PEP-108) is available for use in neutralization and control experiments.

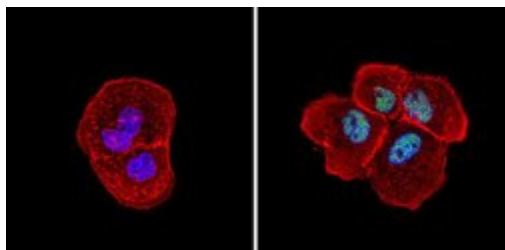
Product Images For SIN3A Polyclonal Antibody

SIN3A Antibody (PA1-870) in ICC/IF



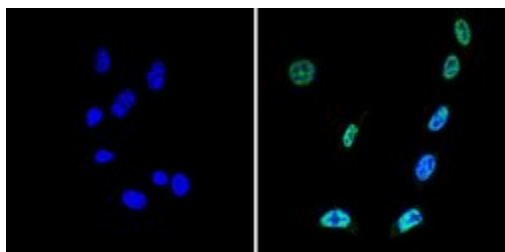
Immunofluorescent analysis of Sin3A (green) showing staining in the nucleus of HeLa cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Sin3A polyclonal antibody (Product # PA1-870) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. Actin was stained using Alexa Fluor 554 (red) and nuclei were stained with Hoechst or DAPI (blue). Images were taken at a magnification of 60x.

SIN3A Antibody (PA1-870) in ICC/IF



Immunofluorescent analysis of Sin3A (green) showing staining in the nucleus of A431 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Sin3A polyclonal antibody (Product # PA1-870) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. Actin was stained using Alexa Fluor 554 (red) and nuclei were stained with Hoechst or DAPI (blue). Images were taken at a magnification of 60x.

SIN3A Antibody (PA1-870) in ICC/IF



Immunofluorescent analysis of Sin3A (green) showing staining in the nucleus of NIH-3T3 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Sin3A polyclonal antibody (Product # PA1-870) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. Nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

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6 References

Western Blot (5)

Nature medicine

Biotin tagging of MeCP2 in mice reveals contextual insights into the Rett syndrome transcriptome.

"PA1-870 was used in Western Blotting to develop a Cre-inducible method for cell type-specific biotin tagging of MeCP2 in mice for studying the Rett syndrome transcriptome."

Authors: Johnson BS,Zhao YT,Fasolino M,Lamonica JM,Kim YJ,Georgakilas G,Wood KH,Bu D,Cui Y,Goffin D,Vahedi G,Kim TH,Zhou Z

Species
Mouse

Dilution
1:500

Year
2017

The Journal of clinical investigation

Elevating expression of MeCP2 T158M rescues DNA binding and Rett syndrome-like phenotypes.

"Published figure using SIN3A polyclonal antibody (Product # PA1-870) in Western Blot"

Authors: Lamonica JM,Kwon DY,Goffin D,Fenik P,Johnson BS,Cui Y,Guo H,Veasey S,Zhou Z

Species
Not Applicable

Dilution
Not Cited

Year
2017

[View more WB references on thermofisher.com](#)

Immunocytochemistry (1)

Journal of cellular physiology

Dynamic distribution of HDAC1 and HDAC2 during mitosis: association with F-actin.

"PA1-870 was used in immunocytochemistry to study the mitotic dynamics of HDAC-1 and -2 and their association with F-actin"

Authors: He S,Khan DH,Winter S,Seiser C,Davie JR

Species
Rat

Dilution
1:50

Year
2013

More applications with references on thermofisher.com

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