

SIRT1 Antibody, Rabbit PAb, Antigen Affinity Purified



Sino Biological
Biological Solution Specialist

Catalog Number: 11748-T54

GENERAL INFORMATION

Immunogen:	Recombinant Human SIRT1 Protein (Catalog#11748-H07E)
Preparation	Produced in rabbits immunized with purified, recombinant Human SIRT1 (rh SIRT1; Catalog#11748-H07E; NP_036370.2; Met193-Ser747). SIRT1 specific IgG was purified by Human SIRT1 affinity chromatography.
Ig Type:	Rabbit IgG
Specificity:	Human SIRT1
Formulation:	0.2 µm filtered solution in PBS
Storage:	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Alternative Names:	SIR2L1

APPLICATIONS

Applications:	WB,ELISA,ICC/IF,IP
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RECOMMENDED CONCENTRATION

ICC/IF	ICC/IF: 1:300-1:10000
Western Blot	WB: 1:500-1:2000
Immunoprecipitation	IP: 4-8 µL/mg of lysate
ELISA	ELISA: 1:5000-1:10000 This antibody can be used at 1:5000-1:10000 with the appropriate secondary reagents to detect Human SIRT1.

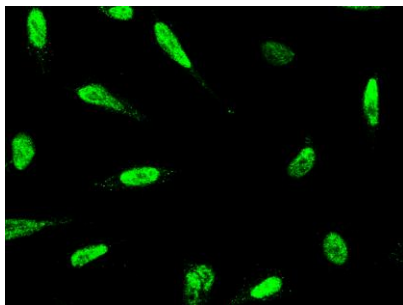
Please Note: Optimal concentrations/dilutions should be determined by the end user.

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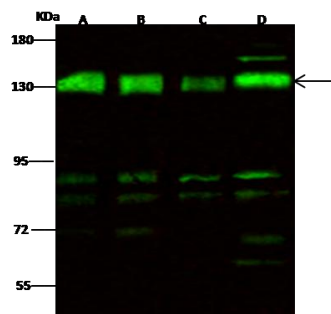


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Immunofluorescence staining of SIRT1 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human SIRT1 polyclonal antibody (1:1000) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nucleus.



Anti-SIRT1 rabbit polyclonal antibody at 1:500 dilution

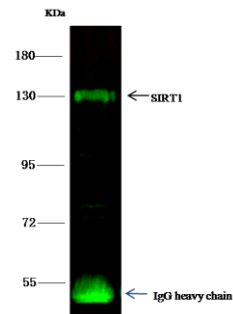
Lane A: HepG2 Whole Cell Lysate
Lane B: MCF7 Whole Cell Lysate
Lane C: Jurkat Whole Cell Lysate
Lane D: HeLa Whole Cell Lysate

Lysates/proteins at 30 µg per lane.

Secondary
Goat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution.

Developed using the Odyssey technique.
Performed under reducing conditions.

Predicted band size: 82 kDa
Observed band size: 130 kDa



SIRT1 was immunoprecipitated using:
Lane A: 0.5 mg HeLa Whole Cell Lysate

4 µL anti-SIRT1 rabbit polyclonal antibody and 15 µl of 50 % Protein G agarose.

Primary antibody:
Anti-SIRT1 rabbit polyclonal antibody, at 1:100 dilution

Secondary antibody:
Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution

Developed using the odssey technique.
Performed under reducing conditions.

Predicted band size: 82 kDa
Observed band size: 130 kDa