

Anti-Phospho-SIRT1 (S47) Recombinant Rabbit Monoclonal Antibody



Catalog #: 9367

Aliases

SIRT1; Sirtuin; SIR2L1; NAD-Dependent Protein Deacetylase Sirtuin-1; NAD-Dependent Protein Deacylase Sirtuin-1; Regulatory Protein SIR2 Homolog 1; SIR2-Like Protein 1; Sirtuin (Silent Mating Type Information Regulation 2, S. Cerevisiae, Homolog); Sirtuin (Silent Mating Type Information Regulation 2 Homolog) 1 (S. Cerevisiae); Sirtuin Type 1; EC 2.3.1.286; EC 2.3.1.- ; SIR2alpha; HSIRT1; HSIR2; SIR2

Background

Gene Name: SIRT1

NCBI Gene Entry: [23411](#)

UniProt Entry: [Q96EB6](#)

Application Information

Molecular Weight: Predicted, 82 kDa; observed, 120 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB1540

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Phospho-SIRT1 (S47)

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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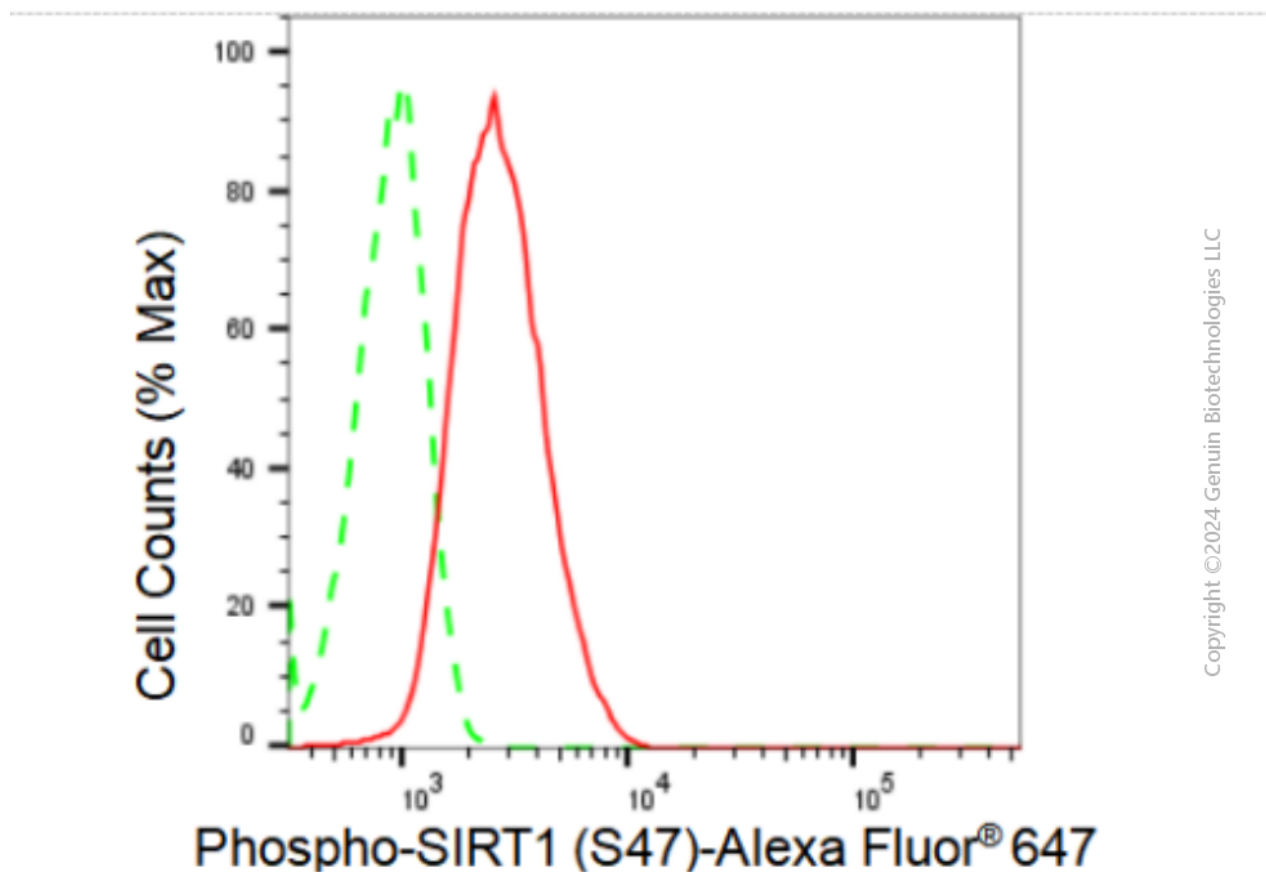
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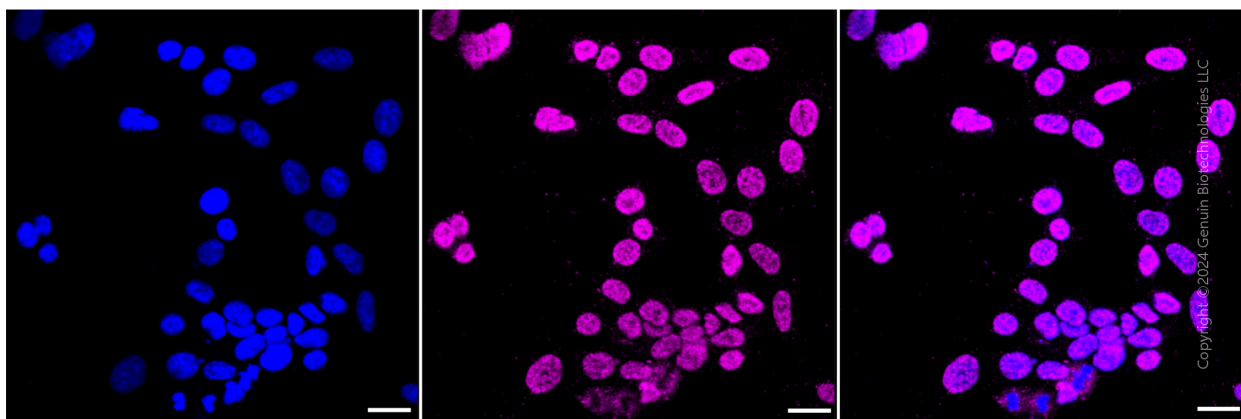
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Note: This product is for research use only.

Validation Data



Flow cytometric analysis of Phospho-SIRT1 (S47) in HAP-1 cells using Phospho-SIRT1 (S47) antibody (Cat#9367, 1:2,000). Green, isotype control; red, Phospho-SIRT1 (S47).



Immunocytochemical staining of HAP-1 cells with Phospho-SIRT1 (S47) antibody (Cat#9367, 1:1,000). Nuclei were stained blue with DAPI; Phospho-SIRT1 (S47) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser

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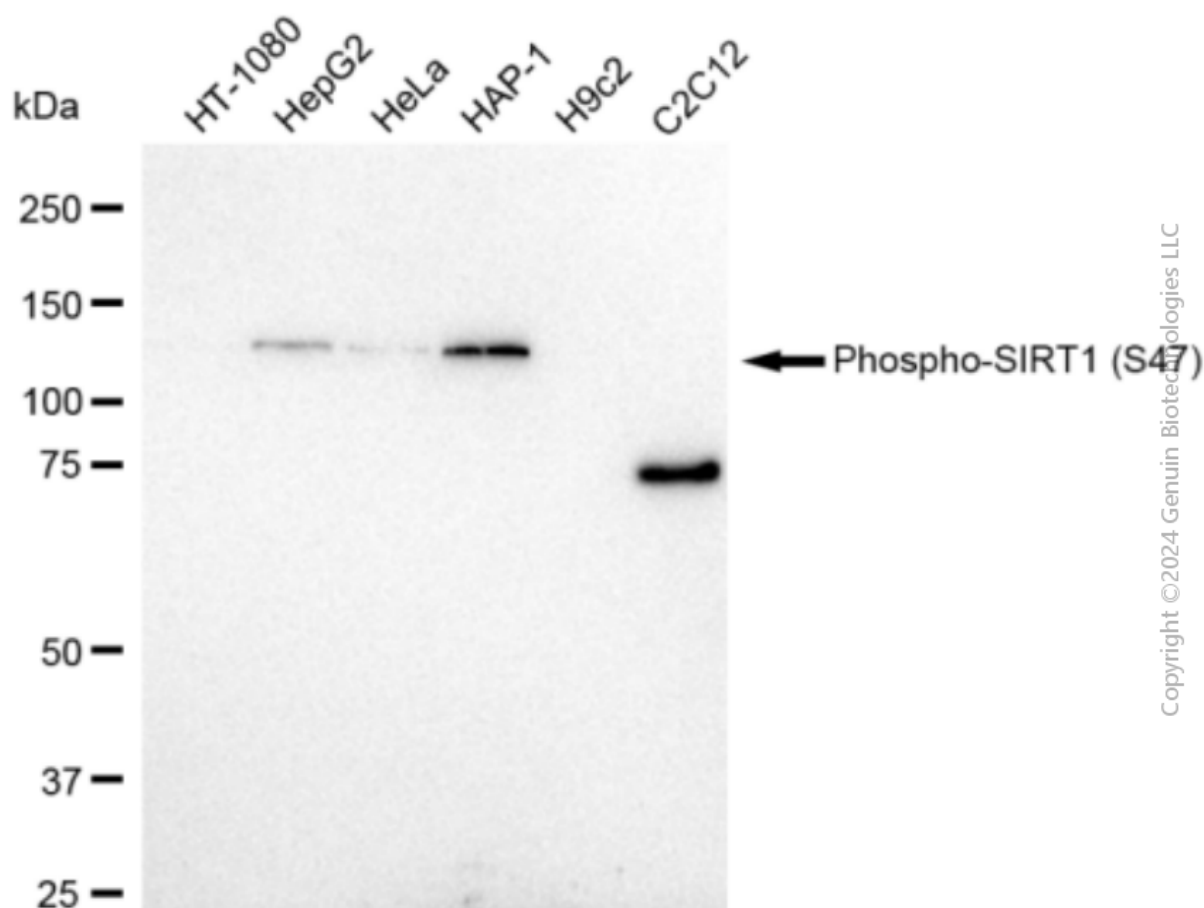
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Intensity and smart gain: Medium. Scale bar: 20 μ m.



Western blotting analysis using anti-Phospho-SIRT1 (S47) antibody (Cat#9367). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phospho-SIRT1 (S47) antibody (Cat#9367, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQTM ECL Substrate Kit (Cat#226).

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