

Datasheet for ABIN7308334
anti-SIRT1 antibody



[Go to Product page](#)

3 Images

Overview

| | |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | SIRT1 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SIRT1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Immunochromatography (IC) |

Product Details

| | |
|------------------|-----------------------------------------------------------------|
| Purpose: | Rabbit polyclonal antibody to SIRT1 |
| Immunogen: | KLH-conjugated synthetic peptide of human SIRT1 |
| Specificity: | Recognizes endogenous levels of SIRT1 protein. |
| Characteristics: | Rabbit polyclonal antibody to SIRT1 |
| Purification: | The antibody was purified by immunogen affinity chromatography. |

Target Details

| | |
|-------------------|------------------------------------------|
| Target: | SIRT1 |
| Alternative Name: | SIRT1 (SIRT1 Products) |

Target Details

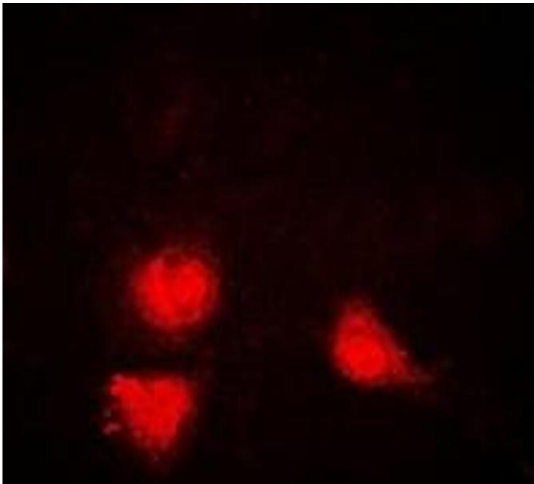
| | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | SIR2L1, NAD-dependent protein deacetylase sirtuin-1, hSIRT1, Regulatory protein SIR2 homolog 1, SIR2-like protein 1, hSIR2 |
| Gene ID: | 23411 |
| UniProt: | Q96EB6 |
| Pathways: | MAPK Signaling , Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Carbohydrate Homeostasis , Positive Regulation of Endopeptidase Activity , Regulation of Carbohydrate Metabolic Process , Positive Regulation of Response to DNA Damage Stimulus , Negative Regulation of intrinsic apoptotic Signaling |

Application Details

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|--------------------|------------------------------------------------------------------------------------------------------|
| Application Notes: | WB (1:500 - 1:2000), IH (1:50 - 1:200), IF/IC (1:50 - 1:200), IP (1:50 - 1:200), ChIP (1:20 - 1:100) |
| Restrictions: | For Research Use only |

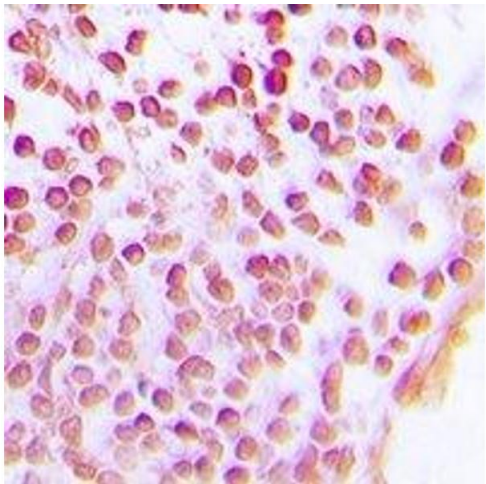
Handling

| | |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Buffer: | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |
| Expiry Date: | 12 months |



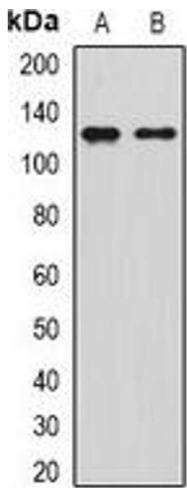
Immunofluorescence

Image 1. Immunofluorescent analysis of SIRT1 staining in Jurkat cells. 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 the primary antibody



Immunohistochemistry

Image 2.



Western Blotting

Image 3. Western blot analysis of SIRT1 expression in Jurkat (A), MCF7 (B) whole cell lysates.