

# SIRT1 Rabbit pAb

Catalog No.: A11267 62 Publications

## Basic Information

### Observed MW

120 kDa

### Calculated MW

82 kDa

### Category

Primary antibody

### Applications

WB, IP, IHC-P, ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**IP** 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

23411

### Swiss Prot

Q96EB6

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

SIR2; SIR2L1; SIR2alpha; SIRT1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

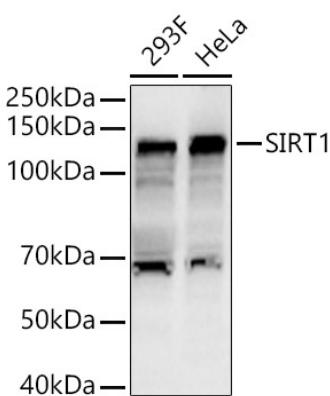
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

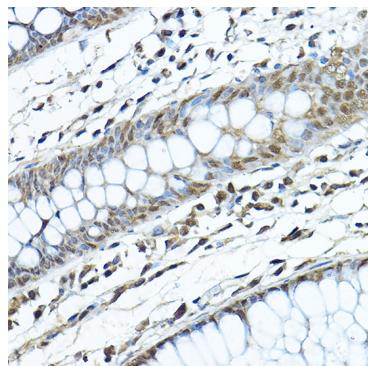
## Validation Data



Immunoprecipitation of SIRT1 from 300 µg extracts of HeLa cells was performed using 1 µg of SIRT1 Rabbit pAb (A11267). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using SIRT1 Rabbit pAb (A11267) at a dilution of 1:1000.



Western blot analysis of various lysates, using SIRT1 Rabbit pAb (A11267) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human colon using SIRT1 Rabbit pAb (A11267) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.