

# Phospho-SIRT1-S47 Rabbit mAb

Catalog No.: AP0976 **Recombinant** **2 Publications**

## Basic Information

**Observed MW**

120kDa

**Calculated MW**

82kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-Reactivity**

Human

**CloneNo number**

ARC1520

## 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** 1:100 - 1:500

## Immunogen Information

**Gene ID**

23411

**Swiss Prot**

Q96EB6

**Immunogen**

A synthetic phosphorylated peptide around S47 of human SIRT1 (Q96EB6).

**Synonyms**

SIR2; SIR2L1; SIR2alpha; Phospho-SIRT1-S47

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

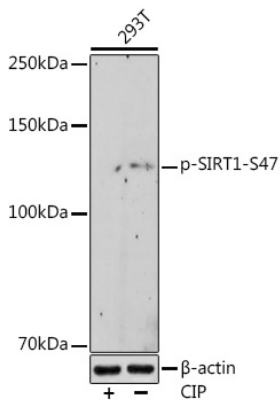
**Storage**

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

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of 293T cells, using Phospho-SIRT1-S47 antibody (AP0976) at 1:500 dilution. 293T cells were treated by CIP(20uL/400ul) at 37°C for 1 hour.  
Secondary antibody: HRP 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 Enhanced Kit (RM00021).  
Exposure time: 180s.