

AP0976

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Phospho-SIRT1-S47 Rabbit mAb

Catalog No.: AP0976

Recombinant

2 Publications

Basic Information

Observed MW

120kDa

Calculated MW

82kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, ELISA

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



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

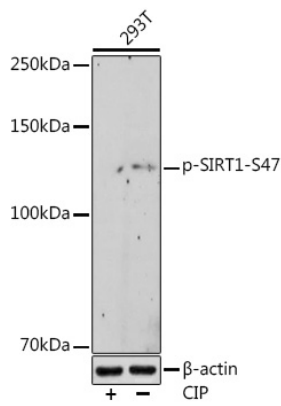
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

Validation Data



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.