

SIRT2

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

Calculated MW: 43kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human SIRT2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

1 mg/ml

Synonym:

SIRT2; SIR2; SIR2L; SIR2L2 ;

Catalog #: A0273

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 22933

Isotype: IgG

Swiss Prot: Q8IXJ6

Purity: Affinity purification

For research use only.

Background:

Sirtuins are members of the NAD-dependent histone deacetylase family of proteins that participate in a variety of cellular functions, including histone deacetylation, gene silencing, chromosomal stability, and aging. SIRT2, a human homolog of the yeast SIR2 (silent information regulator-2), functions as transcriptional silencing mediator at mating-type loci, telomeres and ribosomal gene clusters. SIRT2 expression increases dramatically during mitosis and is multiply phosphorylated at the G(2)/M transition of the cell cycle. SIRT2 is part of a phosphorylation cascade where it is phosphorylated late in G(2), during M, and into the period of cytokinesis. Inhibition of SIRT2 is reported to rescue alpha-synuclein toxicity and modify inclusion morphology in a cellular model of Parkinson's disease (1-4).

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