

Product Datasheet

SIRT2 Antibody

Catalog No: CY5545

Reactivity: Human Rat

Isotype: Rabbit IgG

Applications: WB ICC/IF IP FC



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Information

UniProt ID: Q8IXJ6

All Names: SIRT2;SIR2;SIR2L;SIR2L2;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 36 kDa

Application

WB: 1:500~1:2000

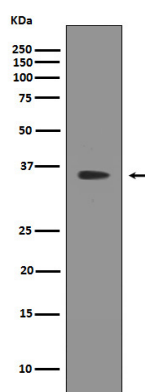
ICC/IF: 1:50~1:200

IP: 1:50

FC: 1:30

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).



Western blot analysis of SIRT2 expression in SKBR-3 cell lysate.

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