
SIRT2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253833

Unit: 0.1 mg

Description:

The founding member of the sirtuin protein family was the silent information regulator 2 protein (Sir2p) of *Saccharomyces cerevisiae*, an NAD⁺-dependent histone deacetylase (HDAC) that regulates chromatin silencing. The SIRT2 family of genes are highly conserved from prokaryotes to eukaryotes. Mammals have seven homologs of Sir2p, SIRT1-7, which are involved in diverse processes ranging from transcriptional regulation, cell cycle progression and DNA-damage repair to aging. SIRT2 is a predominantly cytoplasmic protein that colocalizes with microtubules and can deacetylate alpha-tubulin and regulate progression through the cell cycle. Most Sirtuins are highly expressed in brain and testis, while Sirt2 expression is higher in fetal relative to adult brain. Recent studies on SIRT2 support the therapeutic utility of inhibitors for the treatment of neurodegenerative diseases such as Parkinson's disease.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: SIRT2 ; NAD-dependent deacetylase sirtuin-2; SIR2L; SIR2L2; SIR2-like

Accession No.: NP_036369

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human SIRT2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.