
SIRT1 Antibody

Subcategory: Chicken Polyclonal Antibody

Cat. No.: 254287

Unit: 0.1 mg

Description:

The Silent Information Regulator (SIR2) family of genes are highly conserved from prokaryotes to eukaryotes and have important functions in the regulation of metabolism, growth and differentiation, inflammation, cellular survival, as well as in senescence and lifespan extension. Sirtuins, including SIRT1-7, are human homologs of yeast Sir2p. Sirtuins are NAD⁺-dependent histone/protein deacetylases (HDAC) which regulate cellular metabolism, e.g. energy metabolism, and thereby are associated with aging and several age-related diseases. SIRT1 has the closest homology to the yeast Sir2p and is widely expressed in fetal and adult tissues. SIRT1 regulates the p53-dependent DNA damage response pathway by binding to and deacetylating p53, specifically via lysine residue.

Isotype: Chicken Ig

Applications: E, WB, IF

Species Reactivity: H, M, R

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

Alternate Names: SIRT1; Sirtuin; NAD-dependent deacetylase sirtuin-1; SIR2L1; hSIR2; hSIRT1

Accession No.: NP_036370

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human SIRT1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IF: 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.