

SIRT1 Polyclonal Antibody

ALTERNATE NAMES: SIRT1, SIR2L1

CATALOG #: 6137-100

AMOUNT: 100 µg

HOST: Rabbit

ISOTYPE: IgG

IMMUNOGEN: C terminal peptide of human SIRT1

PURIFICATION: Affinity purified

MOLECULAR WEIGHT: 82 kDa

FORM: Liquid

FORMULATION: 100 µg of antibody in 100 µl PBS containing 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human, Mouse, Rat

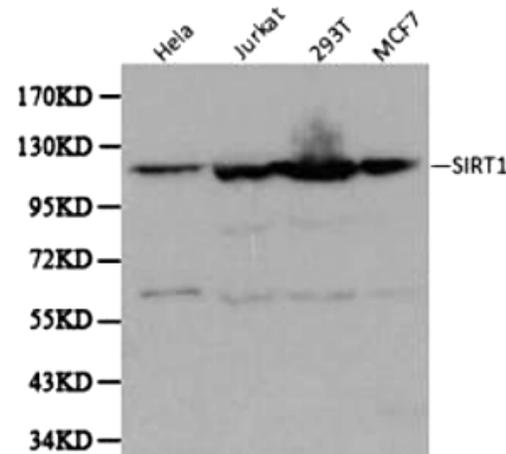
STORAGE CONDITIONS: Can be stored at -20°C or -80°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:
 The sirtuins represent a distinct class of trichostatin A-insensitive lysyl-deacetylases (class III HDACs) and have been shown to catalyze a reaction that couples lysine deacetylation to the formation of nicotinamide and O-acetyl-ADP-ribose from NAD⁺ and the abstracted acetyl group. This SIRT family of genes is highly conserved from prokaryotes to eukaryotes and is involved in diverse processes including transcriptional regulation, cell cycle progression, DNA damage repair and aging. SIRT1 has been shown to be induced by caloric restriction (CR) in several tissues and SIRT1 mediated deacetylase activity attenuates B-amyloid content in the brain during CR. SIRT1 also regulates the p53-dependent DNA damage response pathway by binding to and deacetylating p53.

SPECIFICITY: SIRT1 antibody cross reacts with human, mouse and rat samples.

APPLICATION: Western blot: 1:500 – 1:2000 dilution
 IHC: 1:50 - 1:200 dilution

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



WB of various cell line's extracts with SIRT1 pAb.

RELATED PRODUCTS:

- SIRT2 Polyclonal Antibody (Cat. No. 6138-100)
- SIRT3 Antibody (Cat. No. 3223-100)
- SIRT4 Antibody (Cat. No. 3224-100)
- SIRT5 Antibody (Cat. No. 3225-100)
- SIRT6 Polyclonal Antibody (Cat. No. 6139-100)
- SIRT7 Polyclonal Antibody (Cat. No. 6107-100)
- SIRT7 Antibody (Cat. No. 3099-100)
- Sirtuin 2, human recombinant (Cat. No. 7632-20, -100, -1000)
- SIRT4 (GST-tagged), Human recombinant (Cat. No. 7673-20, -100)
- SIRT5 (GST-tagged), Human recombinant (Cat. No. 7674-20, -100)
- Sirtuin 1 (human intracellular) ELISA Kit (Cat. No. K4923-100)
- Sirtuin 2 (human intracellular) ELISA Kit (Cat. No. K4924-100)
- SIRT 1 Inhibitor, EX-527 (Cat. No. 1652-10)
- SIRT 1 Inhibitor Screening Assay Kit (Cat. No. K322-100)
- SIRT 2 Inhibitor, AGK2 (Cat. No. 1651-10)
- SIRT 2 Inhibitor, AK-7 (Cat. No. 1857-5, -25)

FOR RESEARCH USE ONLY! Not to be used on humans.