

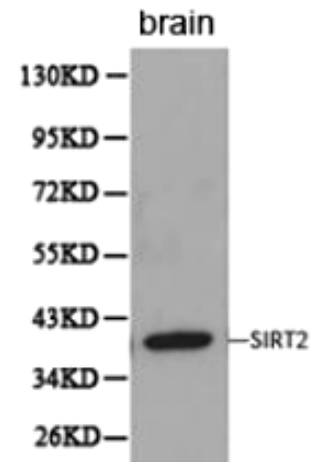
SIRT2 Polyclonal Antibody

ALTERNATE NAMES:	SIRT2, SIR2, SIR2L, SIR2L2
CATALOG #:	6138-100
AMOUNT:	100 µg
HOST:	Rabbit
ISOTYPE:	IgG
IMMUNOGEN:	C terminal peptide of human SIRT2
PURIFICATION:	Affinity purified
MOLECULAR WEIGHT:	43 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. 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.

SPECIFICITY:	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 mouse brain tissue extracts with SIRT2 pAb.

RELATED PRODUCTS:

- SIRT1 Polyclonal Antibody (Cat. No. 6137-100)
- 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.