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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07400 - Goat Anti-SIRT1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SIRT1, sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae), RP11-57G10.3, SIR2L1, OTTHUMP00000060745, SIR2alpha, sir2-like 1, sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 1, sirtuin 1, sirtuin type 1

Official Symbol: SIRT1

Accession Number(s): NP_036370.2

Human GeneID(s): [23411](#)

Non-Human GeneID(s): 93759 (mouse), 309757 (rat)

Immunogen

Peptide with sequence C-EITEKPPRTQKE, from the internal region of the protein sequence according to NP_036370.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx 120kDa band observed in Mouse fetal Brain lysates (calculated MW of 80.3kDa according to Mouse NP_062786.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Cheng et al, Proc Natl Acad Sci U S A. 2003 Sep 16;100(19):10794-9.; PMID: 12960381). Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog

Specific Reference

This antibody has been successfully used in Western blot in Dog:

Marfè G, Tafani M, Fiorito F, Pagnini U, Iovane G, De Martino L.

Involvement of FOXO transcription factors, TRAIL-FasL/Fas,

and sirtuin proteins family in canine coronavirus type II-induced apoptosis.

PLoS One. 2011;6(11).

PMID: 22087287



EB07400 (1µg/ml) staining of Mouse fetal Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.