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

EB07400-T - Goat Anti-SIRT1 Antibody - Trial

Size: 20µg specific antibody in 40µl



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 110kDa band observed in lysates of cell line NIH3T3 (calculated MW of 80.3kDa according to Mouse NP_062786.1). Preliminary testing also showed a band at approx 120kDa in Fetal Mouse Brain lysate. This molecular weight is routinely observed by other sources. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Mouse

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

Specific Reference

This antibody (previous batch) has been successfully used in Western blot on 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 NIH3T3 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.