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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, OTTHUMP0000060745, 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 GenelD(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 120xkDa 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).

DMD: 00007007

PMID: 22087287

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

 $EB07400\ (1\mu g/ml)\ staining\ of\ NIH3T3\ cell\ lysate\ (35\mu g\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$