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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): <u>23411</u> 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.

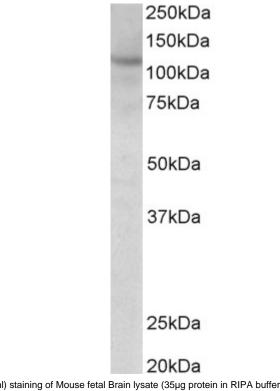
Western blot: Approx 120kDa band observed in Mouse fetal Brain lysates (calculated MW of 80.3kDa according to Muose NP_062786.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Cheng et al, Proc Natl Acad Sci U S A. 2003 Sep 16;100(19):10794-9.;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