

## UK Office

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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.