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

EB06288 - Goat Anti-SIRT4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SIRT4, SIR2L4, sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae), sirtuin silent mating type information regulation 2 homolog 4 (S. cerevisiae), MGC130046, MGC130047, MGC57437, SIR2L4, sirtuin 4, sir2-like 4, sirtuin 4, sirtuin type 4

Official Symbol: SIRT4

Accession Number(s): NP_036372.1

Human GeneID(s): [23409](#)

Non-Human GeneID(s): 75387 (mouse)

Immunogen

Peptide with sequence SRCGELLPLIDPC, from the C Terminus of the protein sequence according to NP_036372.1.

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 1:32000.

Western blot: Approx. 38kDa band observed in Human Kidney lysates (calculated MW of 35.2kDa according to NP_036372.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

IHC: In paraffin embedded Skeletal Muscle shows spotty staining of striated fibres in longitudinal section. Recommended concentration: 2-3µg/ml.

Species Reactivity

Tested: Human

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

Specific Reference

This antibody has been successfully used on Rat in the following paper:

do Amaral ME, Ueno M, Oliveira CA, Borsonello NC, Vanzela EC, Ribeiro RA, Alves PL, Barbosa HC, Carneiro EM, Boschero AC.

Reduced expression of SIRT1 is associated with diminished glucose-induced insulin secretion in islets from calorie-restricted rats.

J Nutr Biochem. 2011 Jun;22(6):554-9.

PMID: 20801633

EB06288 (1µg/ml) staining of Human Kidney lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06288 (2.5µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.