

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre

77 Heyford Park Upper Heyford Oxfordshire OX25 5HD

Enquiries:

info@everestbiotech.com

Sales:

UK

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona, CA 92065

USA

Inquiries:

info@everestbiotech.com

Sales:

 $\underline{usasales@everest biotech.com}$

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB10826 - Goat Anti-Sirtuin 1 / SIRT1 (aa577-590) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SIRT1, sirtuin 1, SIR2L1, NAD-dependent deacetylase sirtuin-1, OTTHUMP00000198111, OTTHUMP00000198112, SIR2-like protein 1, SIR2alpha,

hSIR2, sir2-like 1, sirtuin type 1

Official Symbol: SIRT1

Accession Number(s): NP_036370.2; NP_001135970.1

Human GeneID(s): 23411

Non-Human GenelD(s): 93759 (mouse)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_036370.2; NP_001135970.1).

Immunogen

Peptide with sequence C-EKPQEVQTSRNVES, from the internal region of the protein sequence according to NP_036370.2; NP_001135970.1.

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 1:64000.

Western blot: Approx 120kDa band observed in lysates of cell line Jurkat (calculated MW of 81.7kDa according to NP_036370.2). 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: 0.05-0.2μg/ml.

IHC: In paraffin embedded Human Skin shows perinuclear staining in select keratinocytes. Recommended concentration, 3-5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse



EB10826 ($0.05\mu g/ml$) staining of Jurkat lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10826 (3.8μg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.