

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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

EB10970 - Goat Anti-Sirtuin 3 (mouse) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Sirt3, sirtuin 3, sirtuin 3 (silent mating type information regulation 2, homolog) 3, 2310003L23Rik, AI848213, Sir2l3, NAD-dependent deacetylase sirtuin-3, OTTMUSP00000027441, OTTMUSP00000027444, OTTMUSP00000027445, SIR2-like protein 3

Official Symbol: Sirt3

Accession Number(s): NP_071878.2; NP_001171275.1

Human GeneID(s): [23410](#)

Non-Human GeneID(s): 64384 (mouse), 293615 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_071878.2; NP_001171275.1). Reported variants represent identical proteins: NP_071878.2; NP_001120823.1

Immunogen

Peptide with sequence C-RASGIPASKLVEAH, from the internal region of the protein sequence according to NP_071878.2; NP_001171275.1.

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 30kDa band observed in Mouse Heart lysates (calculated MW of 28.8kDa according to NP_071878.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed at 15kDa. This band was successfully blocked by incubation with the immunizing peptide.

Species Reactivity

Tested: Mouse

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

EB10970 (0.3µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.