

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.**

EB09448 - Goat Anti-SATB1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SATB1, SATB homeobox 1, DNA-binding protein SATB1, special AT-rich sequence binding protein 1, special AT-rich sequence binding protein 1 (binds to nuclear matrix/scaffold-associating DNA\1s)

Official Symbol: SATB1

Accession Number(s): NP_002962.1

Human GeneID(s): [6304](#)

Non-Human GeneID(s): 20230 (mouse), 316164 (rat)

Important Comments: Reported variants NP_001124482.1 and NP_002962.1 represent identical protein.

Immunogen

Peptide with sequence C-ESDEENRQKTRPRT, from the internal region of the protein sequence according to NP_002962.1.

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: Experiments gave bands at approx. 110kDa and 85kDa in lysates of cell line MOLT4 after 0.3µg/ml antibody staining. The observed 110kDa band corresponds to earlier findings in literature with different antibodies (De Belle et al, J Cell Biol. 1998 Apr 20;141(2):335-48.; PMID: 9548713). This protein has a calculated MW of 86.0kDa according to NP_002962.1. Recommended concentration: 0.3-1µg/ml.

IHC: In paraffin embedded Human Thymus shows select nuclear staining. Recommended concentration, 3-5µg/ml.

Species Reactivity

Tested: Human

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

EB09448 (0.3µg/ml) staining of MOLT4 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.

EB09448 (3.8µg/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer
pH 6, AP-staining.