

## UK Office

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**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.