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## **SATB1 (C) Antibody, Rabbit Polyclonal**

**Cat#: R0009-2**

**Quantity: 100 µl**

**Predicted M.W.: 86 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q01826**

### **Background:**

Special AT-rich sequence-binding protein 1 (SATB1) is a chromatin organizer and transcription factor that integrates chromatin architecture with gene regulation. SATB1 binds to nuclear matrix/scaffold-associating AT-rich DNA sequences (MARs/SARs). It has been shown that SATB1 interacts with promyelocytic leukemia protein (PML), and that SATB1 and PML function as a regulatory complex that controls transcription by restructuring the dynamic chromatin-loop architecture. SATB1 is implicated as a key regulator of the differentiation and activation of T cells. In cancer, SATB1 has been shown to reprogram chromatin organization and the transcription profiles of breast tumors to promote growth and metastasis.

### **Other Names:**

OTTHUMP00000207689, Special AT-rich sequence-binding protein 1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human SATB1. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 12 months from date of receipt.

### **Species Specificity:**

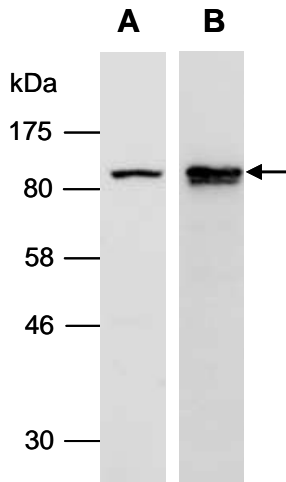
Human, Mouse

### **Tested Applications:**

WB: 1:1,000-1:5,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**Product Data:**



**Fig 1.** Western blot of total cell extracts from mouse thymus, using 2 independent antibodies against 2 distinct regions of human SATB1 [A: R0009-1 (N-terminal); B: R0009-2 (C-terminal)] at RT for 2 h.