

A Reliable Research Partner in Life Science and Medicine

Recombinant SATB1 Monoclonal Antibody

catalog number: AN301652L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human;

Immunogen Recombinant human SATB1 fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A355

Purification Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

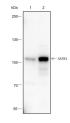
Applications Recommended Dilution

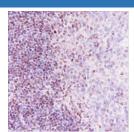
WB 1:500-1:2000

IHC 1:200-1:1000

FCM 1:50-1:100

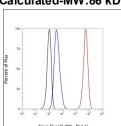
Data





Western Blot with SATB1 Monoclonal Antibody at dilution of Immunohistochemistry of paraffin-embedded Human tonsil 1:2000. Lane 1: Jurkat, Lane 2: THP-1 using SATB1 Monoclonal Antibody at dilution of 1:1000.

Observed-MW:100 kDa Calculated-MW:86 kDa



Flow cytometric analysis of human SATB1 expression on Jurkat cells. Cells were stained with purified anti-Human SATB1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

For Research Use Only

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Crucial silencing factor contributing to the initiation of X inactivation mediated by Xist RNA that occurs during embryogenesis and in lymphoma. Binds to DNA at special AT-rich sequences, the consensus SATB1-binding sequence (CSBS), at nuclear matrix- or scaffold-associated regions. Transcriptional repressor controlling nuclear and viral gene expression in a phosphorylated and acetylated status-dependent manner, by binding to matrix attachment regions (MARs) of DNA and inducing a local chromatin-loop remodeling. Acts as a docking site for several chromatin remodeling enzymes (e.g., PML at the MHC-I locus) and also by recruiting corepressors (HDACs) or coactivators (HATs) directly to promoters and enhancers. Modulates genes that are essential in the maturation of the immune T-cell CD8SP from thymocytes. Required for the switching of fetal globin species, and beta- and gamma-globin genes regulation during erythroid differentiation.

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