

Recombinant SATB1 Monoclonal Antibody

catalog number: AN301653L

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

Description

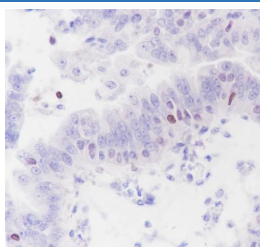
Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human SATB1 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C141276
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

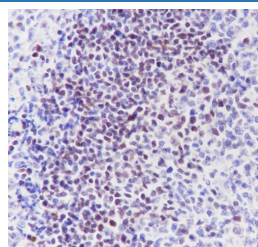
Recommended Dilution

IHC	1:200-1:1000
IF	1:50

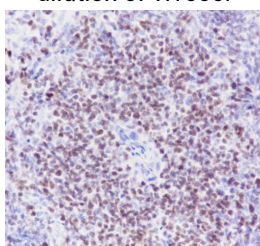
Data



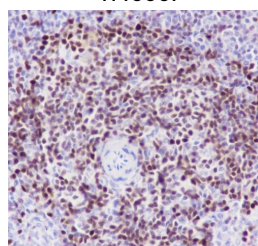
Immunohistochemistry of paraffin-embedded Human ovarian cancer using SATB1 Monoclonal Antibody at dilution of 1:1000.



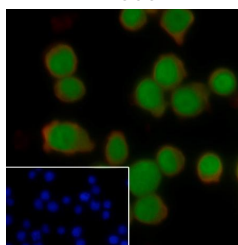
Immunohistochemistry of paraffin-embedded Human tonsil using SATB1 Monoclonal Antibody at dilution of 1:4000.



Immunohistochemistry of paraffin-embedded Mouse spleen using SATB1 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Rat spleen using SATB1 Monoclonal Antibody at dilution of 1:1000.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Jurkat cells using anti-SATB1 Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.2

Storage

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

Shipping

Ice bag

Background

Crucial silencing factor contributing to the initiation of X inactivation mediated by Xist RNA that occurs during embryogenesis and in lymphoma (By similarity). Binds to DNA at special AT-rich sequences, the consensus SATB1-binding sequence (CSBS), at nuclear matrix- or scaffold-associated regions. Thought to recognize the sugar-phosphate structure of double-stranded DNA. 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.

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