

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse SATB1 in ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 815427
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SATB1 Met1-Ser260 Accession # Q01826
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

SATB1 (special AT-rich sequence binding protein-1) is an approximately 103 kDa nuclear matrix-associated homeobox transcription factor that binds AT rich DNA sequences at scaffolding protein attachment and viral genome integration sites. It is a key factor integrating higher-order chromatin architecture with gene regulation. Specifically, it is involved in MHC class-I gene organization and chromatin organization in undifferentiated thymocytes. SATB1 is cleaved into 65-70 kDa and 25-30 kDa fragments during apoptosis. Human SATB1 shares 99% amino acid sequence identity with mouse and rat SATB1.

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