

Human DNA-Binding Protein SATB1 (SATB1) ELISA Kit | SATB1 elisa kit

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CATALOG #
AAA330953

REACTIVITY
Human

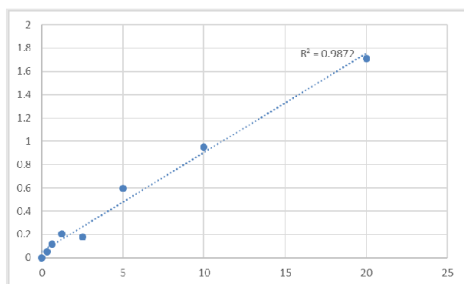
PRODUCT SYNONYMS

DNA-Binding Protein SATB1 (SATB1); Human DNA-Binding Protein SATB1 (SATB1) ELISA Kit; SATB1; 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 s); SATB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human DNA-binding protein SATB1 (SATB1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SATB1. No significant cross-reactivity or interference between Human SATB1 and analogues was observed.
Sequence Length	763
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human DNA-binding protein SATB1 (SATB1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SATB1 elisa kit	Description: This Human DNA-binding protein SATB1 (SATB1) ELISA Kit employs a two-site sandwich ELISA to quantitate SATB1 in samples. An antibody specific for SATB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SATB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SATB1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SATB1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SATB1, the global chromatin organizer and transcription factor, has emerged as a key factor integrating higher-order chromatin architecture with gene regulation. Recent studies have unraveled the role of SATB1 in organization of chromatin 'loopscape' and its dynamic nature in response to physiological stimuli. At genome-wide level, SATB1 seems to play a role in organization of the transcriptionally poised chromatin. SATB1 organizes the MHC class-I locus into distinct chromatin loops by tethering MARs to nuclear matrix at fixed distances. Silencing of SATB1 mimics the effects of IFN-gamma treatment on chromatin loop architecture of the MHC class I locus and altered expression of genes within the locus. SATB1induce breast cancer tumor growth and metastasis through the altered expression of large numbers of genes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	196114999
NCBI GeneID	6304
NCBI Accession #	NP_001124482.1
NCBI GenBank Nucleotide #	NP_001124482.1
UniProt Accession #	Q01826
NCBI Official Full Name	DNA-binding protein SATB1 isoform 1
NCBI Official Synonym Full Names	SATB homeobox 1
NCBI Official Symbol	SATB1
NCBI Protein Information	DNA-binding protein SATB1
UniProt Protein Name	DNA-binding protein SATB1
UniProt Gene Name	SATB1
UniProt Entry Name	SATB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.