SATB2 Recombinant antibody

Catalog Number:85922-3-RR

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Basic Information

Catalog Number: 85922-3-RR	**GenBank Accession Number:** NM_015265	**Purification Method:** Protein A purification
Concentration: 1000 μg/ml	**GeneID (NCBI):** 23314	**CloneNo.:** 250096D11
Source: Rabbit	**UNIPROT ID:** Q9UPW6	**Recommended Dilutions:** WB 1:500-1:2000
Isotype: IgG	**Full Name:** SATB homeobox 2	
	Calculated MW: 83 kDa	
	Observed MW: ~100 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : THP-1 cells, HEK-293 cells, K-562 cells

Background Information

SATB2, also named as KIAA1034, belongs to the CUT homeobox family. SATB2 binds to DNA at nuclear matrix- or scaffold-associated regions. STAB2 recognizes the sugar-phosphate structure of double-stranded DNA. SATB2 is a transcription factor controlling nuclear gene expression, by binding to matrix attachment regions (MARs) of DNA and inducing a local chromatin-loop remodeling. SATB2 acts as a docking site for several chromatin remodeling enzymes and also by recruiting corepressors (HDACs) or coactivators (HATs) directly to promoters and enhancers. It is required for the initiation of the upper-layer neurons (UL1) specific genetic program and for the inactivation of deep-layer neurons (DL) and UL2 specific genes, probably by modulating BCL11B expression. It is a repressor of Ctip2 and regulatory determinant of corticocortical connections in the developing cerebral cortex. SATB2 may play an important role in palate formation. SATB2 acts as a molecular node in a transcriptional network regulating skeletal development and osteoblast differentiation.
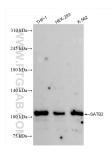
Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Various lysates were subjected to SDS PAGE
followed by western blot with 85922-3-RR (SATB2
antibody) at dilution of 1:1000 incubated at room
temperature for 1.5 hours.