



Anti-SATB2 polyclonal antibody (DPABH-27940)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Binds to DNA, at nuclear matrix- or scaffold-associated regions. Thought to recognize the sugar-phosphate structure of double-stranded DNA. Transcription factor controlling nuclear gene expression, 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 and also by recruiting corepressors (HDACs) or coactivators (HATs) directly to promoters and enhancers. 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. Repressor of Ctip2 and regulatory determinant of corticocortical connections in the developing cerebral cortex. May play an important role in palate formation. Acts as a molecular node in a transcriptional network regulating skeletal development and osteoblast differentiation.
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Immunogen	Synthetic peptide conjugated to KLH derived from within residues 700 to the C-terminus of Mouse SATB2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, EMSA, IHC-FoFr, ICC/IF
Format	Liquid
Size	100 µg

Buffer	Constituents: 1% BSA, PBS. pH 7.4
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	Satb2 special AT-rich sequence binding protein 2 [Mus musculus]
Official Symbol	SATB2
Synonyms	SATB2; special AT-rich sequence binding protein 2; DNA-binding protein SATB2; KIAA1034-like DNA binding protein; special AT-rich sequence-binding protein 2; two cut domains-containing homeodomain protein; mKIAA1034;
Entrez Gene ID	212712
Protein Refseq	NP_631885
UniProt ID	Q546B3
Pathway	PluriNetWork;
Function	DNA binding; chromatin binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;