

SATB2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13726**Specification**

SATB2 Antibody (C-Terminus) - Product Information

Application	IF, IHC
Primary Accession	Q9UPW6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83kDa KDa

SATB2 Antibody (C-Terminus) - Additional Information**Gene ID** 23314**Other Names**

DNA-binding protein SATB2, Special AT-rich sequence-binding protein 2, SATB2, KIAA1034

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

SATB2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SATB2 Antibody (C-Terminus) - Protein Information**Name** SATB2**Synonyms** KIAA1034**Function**

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.

Cellular Location

Nucleus matrix {ECO:0000255|PROSITE- ProRule:PRU00108,

ECO:0000255|PROSITE-ProRule:PRU00374, ECO:0000269|PubMed:14701874}

Tissue Location

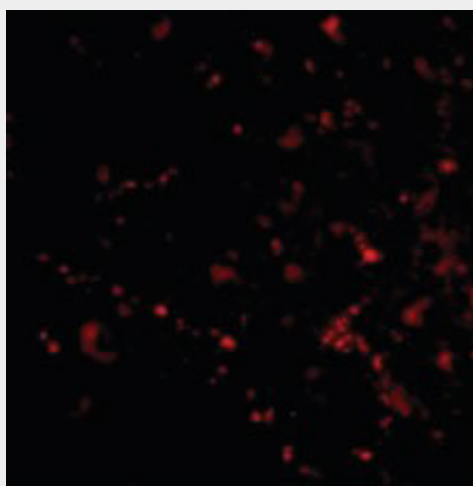
High expression in adult brain, moderate expression in fetal brain, and weak expression in adult liver, kidney, and spinal cord and in select brain regions, including amygdala, corpus callosum, caudate nucleus, and hippocampus.

SATB2 Antibody (C-Terminus) - Protocols

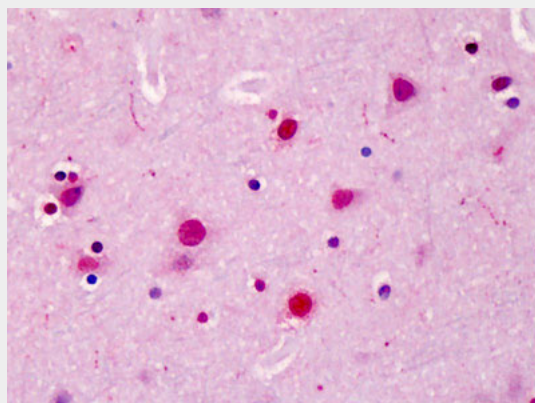
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SATB2 Antibody (C-Terminus) - Images



Immunofluorescence of SATB2 in Human Brain cells with SATB2 antibody at 50 ug/ml.



Anti-SATB2 antibody IHC of human brain, cortex.

SATB2 Antibody (C-Terminus) - Background

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.

SATB2 Antibody (C-Terminus) - References

Kikuno R.,et al.DNA Res. 6:197-205(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Dobrev G.,et al.Genes Dev. 17:3048-3061(2003).