

### **Anti-SATB2 Rabbit Monoclonal Antibody**

**Catalog # ABO15503** 

# **Specification**

## **Anti-SATB2 Rabbit Monoclonal Antibody - Product Information**

Application WB, IHC
Primary Accession Q9UPW6
Host Rabbit
Isotype IgG
Reactivity Human
Clonality Monoclonal
Format Liquid

**Description** 

Anti-SATB2 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

# **Anti-SATB2 Rabbit Monoclonal Antibody - Additional Information**

Gene ID 23314

**Other Names** 

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

**Calculated MW** 

83 kDa KDa

**Application Details** 

WB 1:500-1:2000<br>IHC 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen** 

A synthesized peptide derived from human SATB2

**Purification** 

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

# **Anti-SATB2 Rabbit Monoclonal Antibody - 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.

### **Anti-SATB2 Rabbit Monoclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Anti-SATB2 Rabbit Monoclonal Antibody - Images



