

À des fins de recherche uniquement

# Anticorps Monoclonal anti-SATB2

Numéro de catalogue: **CL488-67958**

Phare



## Informations de base

Numéro de catalogue:

CL488-67958

Numéro d'acquisition GenBank:

BC098136

Méthode de purification:

Purification par protéine G

Taille:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Identification du gène (NCBI):

23314

CloneNo.:

2F8E2

Hôte:

Mouse

Nom complet:

SATB homeobox 2

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Isotype:

IgG1

MW calculé

733 aa, 83 kDa

MW observés:

70-83 kDa

Immunogen Catalog Number:

AG17237

## Applications

Applications testées:

FC (Intra)

Spécificité de l'espèce:

Humain, souris

## Informations générales

SATB2, also named as KIAA1034, belongs to the CUT homeobox family. SATB2 binds to DNA at nuclear matrix- or scaffold-associated regions. SATB2 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. SATB2 has two isoforms produced by alternative splicing with the MW of 70 kDa and 83 kDa. It can be detected as 83-90 kDa.

## Stockage

Stockage:

Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:

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## Données de validation sélectionnées



1X10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human SATB2 (CL488-67958, Clone:2F8E2) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).