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DATA SHEET

Rabbit Anti-SATB2 [MD120R]: RM0396, RM0396RTU7

Intended Use: For Research Use Only

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.

Specifications

Clone:	MD120R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Synthetic peptide corresponding to human SATB2 residues aa 200-300
Localization:	Nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C.
Applications:	IHC

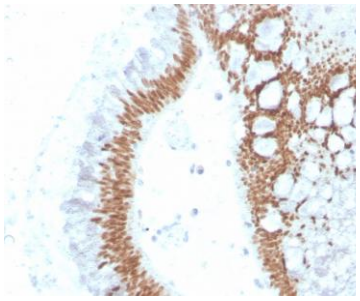
Package:

Description	Catalog No.	Size
SATB2 Concentrated	RM0396	1 ml
SATB2 Prediluted	RM0396RTU7	7 ml

IHC Procedure

Positive Control Tissue:	Cerebral cortex tissue
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon carcinoma stained with anti-SATB2 using DAB

References:

1. The value of SATB2 in the differential diagnosis of intestinal-type mucinous tumors of the ovary: primary vs metastatic. Perez Montiel D, et al. Ann Diagn Pathol. Aug;19(4):249-52, 2015.
2. Cadherin-17 and SATB2 are sensitive and specific immunomarkers for medullary carcinoma of the large intestine. Lin F, et al. Arch Pathol Lab Med. 2014 Aug;138(8):1015-26, 2014.
3. SATB2 in combination with cytokeratin 20 identifies over 95% of all colorectal carcinomas. Magnusson K, et al. Am J Surg Pathol. Jul;35(7):937-48, 2011.

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