Product Datasheet

SATB2 Rabbit mAb

Catalog No: #52055

Package Size: #52055-1 50ul #52055-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

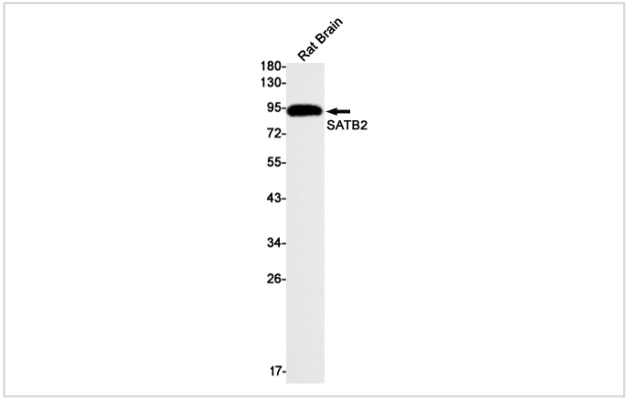
Description

Product Name	SATB2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-1H5
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human, Rat
Immunogen Description	A synthetic peptide of human SATB2
Conjugates	Unconjugated
Modification	Unmodification
Other Names	GLSS; SATB family member 2; SATB homeobox 2; SATB2;Special AT rich sequence binding protein 2;
Accession No.	Swiss-Prot:Q9UPW6GeneID:23314
Uniprot	Q9UPW6
GeneID	23314
Calculated MW	Calculated MW: 83 kDa; Observed MW: 83 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/2000

Images



Western blot detection of SATB2 in Rat Brain lysates using SATB2 Rabbit mAb(1:1000 diluted).Predicted band size:83kDa.Observed band size:83kDa.

Background

Swiss-Prot Acc.Q9UPW6. 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.

Note: This product is for in vitro research use only