SATB2 Monoclonal Antibody

Catalog No	YP-mAb-05203
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	SATB2 KIAA1034
Protein Name	DNA-binding protein SATB2 (Special AT-rich sequence-binding protein 2)
Immunogen	Synthesized peptide derived from human protein . at AA range: 650-730
Specificity	SATB2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	80kD
Cell Pathway	Nucleus matrix .
Tissue Specificity	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.
Function	disease:Chromosomal aberrations involving SATB2 are found in isolated cleft palate. Translocation t(2;7); translocation t(2;11).,disease:Defects in SATB2 are the cause of isolated cleft palate with mental retardation [MIM:119540]. Patients manifest cleft palate, craniofacial dysmorphism and profound mental retardation.,function:May play an important role in palate formation.,similarity:Belongs to the CUT homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 2 CUT DNA-binding domains.,tissue specificity: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.,
Background	This gene encodes a DNA binding protein that specifically binds nuclear matrix attachment regions. The encoded protein is involved in transcription regulation and chromatin remodeling. Defects in this gene are associated with isolated cleft

	palate and mental retardation. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Feb 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images