G-Biosciences Image not found or type unknown

Immunotag™ SATB2 Polyclonal Antibody

Antibody Specification

Catalog No.	ITN0329
Product Description	Immunotag™ SATB2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SATB2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 650-730
Specificity	SATB2 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SATB2 KIAA1034
Accession No.	Q9UPW6 Q8VI24
Description	SATB homeobox 2(SATB2) Homo sapiens 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],

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Protein Expression	Brain,Colon,PCR rescued clones,
Subcellular Localization	histone deacetylase complex,nucleus,nucleoplasm,transcription factor complex,cytoplasm,nuclear matrix,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.