

SATB2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02462

Basic Information

Catalog No.

RM02462

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

SATB2

Species

Human

Gene ID

23314

Swiss Prot

Q9UPW6

Synonyms

GLSS

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

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]

Product Information

Description

SATB2 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1: 65bp deletion in exon2

Allele-2: 64bp deletion in exon2

Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles.

Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins.

Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging

1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions

4°C

Amount

50μL, 2μg/μL.

Storage

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

Protocol

To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Sequencing data

WT GATGATTCCTGTCT*****GTCCTGGTGCGGAA
Mut GATGATTCCTGTCT***Deletion***GTCCTGGTGCGGAA
Allele-1: 65bp deletion in exon2

WT ATGATTCCTGTCTT*****GTCCTGGTGCGGAA
Mut ATGATTCCTGTCTT***Deletion***GTCCTGGTGCGGAA
Allele-2: 64bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and SATB2 knockout (KO) 293T cells, using sanger sequencing.