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SATB2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02462

Basic Information

Catalog No.
RM02462

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

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]

Gene Information

Gene Symbol
SATB2

Species
Human

Gene ID
23314

Swiss Prot
Q9UPW6

Synonyms
GLSS

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℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

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.

Contact

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Sequencing data

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