

KDM5B Knockdown 293T Cell Lysate, Heterozygous

Catalog No.: RM50039

Basic Information

Catalog No.

RM50039

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockdown

Gene Information

Gene Symbol

KDM5B

Species

Human

Gene ID

10765

Swiss Prot

Q9UGL1

Synonyms

CT31; PLU1; PUT1; MRT65; PLU-1; JARID1B; PPP1R98; RBP2-H1; RBBP2H1A; 5B

Contact

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Background

This gene encodes a lysine-specific histone demethylase that belongs to the jumonji/ARID domain-containing family of histone demethylases. The encoded protein is capable of demethylating tri-, di- and monomethylated lysine 4 of histone H3. This protein plays a role in the transcriptional repression or certain tumor suppressor genes and is upregulated in certain cancer cells. This protein may also play a role in genome stability and DNA repair. Alternate splicing results in multiple transcript variants.

Product Information

Description

KDM5B Knockdown cell line is engineered from 293T cell line with Gene-Editing Technology.
 Allele-1:78bp deletion in exon1
 Allele-2:77bp deletion in exon1
 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 GCCTCCACCCGAGT*****AGACTGGCATCTGT
Mut GCCTCCACCCGAGT***Deletion***AGACTGGCATCTGT
Allele-1: 78bp deletion in exon1

WT GCCTCCACCCGAGT*****CAGACTGGCATCTG
Mut GCCTCCACCCGAGT***Deletion***CAGACTGGCATCTG
Allele-2: 77bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and KnockdownM5B knockdown (KD) 293T cells, using sanger sequencing.