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KDM5B Knockdown 293T Cell Lysate, Heterozygous

Catalog No.: RM50039

Basic Information

Catalog No.
RM50039

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockdown

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.

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

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℃

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    GCCTCCACCCGAGT**********AGACTGGCATCTGT
Mut   GCCTCCACCCGAGT***Deletion***AGACTGGCATCTGT
AIlele-1:   78bp deletion in exon1

WT    GCCTCCACCCGAGT**********CAGACTGGCATCTG
Mut   GCCTCCACCCGAGT***Deletion***CAGACTGGCATCTG
AIlele-2:   77bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and KnockdownM5B knockdown (KD) 293T cells, using sanger sequencing.