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METTL3 Knockdown U2OS cell lysate, Heterozygous

Catalog No.: RM50192

Basic Information

Catalog No.
RM50192

Category
Cell Lysate

Parental Cell line
U2OS

Genotype
Knockdown

Gene Information

Gene Symbol
METTL3

Species
Human

Gene ID
56339

Swiss Prot
Q86U44

Synonyms
M6A; IME4; Spo8; MT-A70; hMETTL3; METTL3

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Background

This gene encodes the 70 kDa subunit of MT-A which is part of N6-adenosine-methyltransferase. This enzyme is involved in the posttranscriptional methylation of internal adenosine residues in eukaryotic mRNAs, forming N6-methyladenosine.

Product Information

Description
METTL3 Knockdown cell line is engineered from U2OS cell line with Gene-Editing Technology.
Allele-1:139bp deletion in exon2
Allele-2:138bp 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.

Sequencing data

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WT    CATTGTCTCCAACC**********CATTGCCCACTGAT
Mut   CATTGTCTCCAACC***Deletion***CATTGCCCACTGAT
Allele-1:    139bp deletion in exon2

WT    ATTGTCTCCAACCT**********CATTGCCCACTGAT
Mut   ATTGTCTCCAACCT***Deletion***CATTGCCCACTGAT
Allele-2:    138bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and METTL3 knockdown (KD) U2OS cells, using sanger sequencing.