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ZEB1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02266

Basic Information

Catalog No.
RM02266

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

This gene encodes a zinc finger transcription factor. The encoded protein likely plays a role in transcriptional repression of interleukin 2. Mutations in this gene have been associated with posterior polymorphous corneal dystrophy-3 and late-onset Fuchs endothelial corneal dystrophy. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Mar 2010]

Gene Information

Gene Symbol
ZEB1

Species
Human

Gene ID
6935

Swiss Prot
P37275

Synonyms
AREB6; BZP; DELTAEF1; FECD6; NIL2A; PPCD3; TCF8; ZFHEP; ZFHX1A

Product Information

Description
ZEB1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:64bp deletion in exon6
Allele-2:64bp deletion in exon6
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
Lysate is stable for 12 months when stored at -20℃. 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.

Contact

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Sequencing data

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WT     AATGGGCGACCAAG**************CGACCACAGATACG
Mut    AATGGGCGACCAAG***Deletion***CGACCACAGATACG
Allele-1：64bp deletion in exon6

WT     AATGGGCGACCAAG**************CGACCACAGATACG
Mut    AATGGGCGACCAAG***Deletion***CGACCACAGATACG
Allele-2：64bp deletion in exon6
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Genome sequence analysis of PCR products from parental (WT) and ZEB1 Knockout (KO) HeLa cells, using sanger sequencing.