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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

## Gene Information

**Gene Symbol**
ZEB1

**Species**
Human

**Gene ID**
6935

**Swiss Prot**
P37275

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

## Contact


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## 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]

## 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**
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

```
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
```

Genome sequence analysis of PCR products from parental (WT) and ZEB1 Knockout (KO) HeLa cells, using sanger sequencing.



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