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# KRT18 Knockdown HeLa Cell Lysate, Heterozygous

**Catalog No.: RM02569**

## Basic Information

**Catalog No.**
RM02569

**Category**
Cell Lysate

**Parental Cell line**
HeLa

**Genotype**
Knockdown

## Gene Information

**Gene Symbol**
KRT18

**Species**
Human

**Gene ID**
3875

**Swiss Prot**
P05783

**Synonyms**
CK-18; CYK18; K18

## Contact


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## Background

KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

## Product Information

**Description**
KRT18 Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:204bp deletion in exon1;Allele-2:203bp 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.

## Sequencing data

```
WT    TATAACTCGGGTCG*************GGGGGTCTGGCAGG
Mut   TATAACTCGGGTCG***Deletion***GGGGGTCTGGCAGG
Allele-1:    204bp deletion in exon1

WT    ATATAACTCGGGTC*************CGGGGGTCTGGCAG
Mut   ATATAACTCGGGTC***Deletion***CGGGGGTCTGGCAG
Allele-2:    203bp deletion in exon1
```

Genome sequence analysis of PCR products from parental (WT) and KRT18 knockdown (KD) HeLa cells, using sanger sequencing.



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