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KRT7 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02404

Basic Information

Catalog No.
RM02404

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
KRT7

Species
Human

Gene ID
3855

Swiss Prot
P08729

Synonyms
CK7; K2C7; K7; SCL

Product Information

Description
KRT7 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:68bp deletion in exon1
Allele-2:68bp 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

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Sequencing data

```
WT     AGCAGCAGCCTCTA**************TCCGCGAGGTCACC
Mut    AGCAGCAGCCTCTA***Deletion***TCCGCGAGGTCACC
Allele-1：68bp deletion in exon1
WT     AGCAGCAGCCTCTA**************TCCGCGAGGTCACC
Mut    AGCAGCAGCCTCTA***Deletion***TCCGCGAGGTCACC
Allele-2：68bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and KRT7 knockout (KO) HeLa cells, using sanger sequencing.

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