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IFI16 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02483

Basic Information

Catalog No.
RM02483

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
IFI16

Species
Human

Gene ID
3428

Swiss Prot
Q16666

Synonyms
IFNGIP1; PYHIN2

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Background

This gene encodes a member of the HIN-200 (hematopoietic interferon-inducible nuclear antigens with 200 amino acid repeats) family of cytokines. The encoded protein contains domains involved in DNA binding, transcriptional regulation, and protein-protein interactions. The protein localizes to the nucleoplasm and nucleoli, and interacts with p53 and retinoblastoma-1. It modulates p53 function, and inhibits cell growth in the Ras/Raf signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2011]

Product Information

Description
IFI16 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:exon2 was deleted
Allele-2:exon2 was deleted
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    AGCAGGAACTGAGA**************ATCAGGTAAGTACT
Mut   AGAAGCCACTGGGA***Deletion***ATCAGGTAAGTACT
Allele-1:    exon2 was deleted

WT    AGCAGGAACTGAGA**************ATCAGGTAAGTACT
Mut   AGAAGCCACTGGGA***Deletion***ATCAGGTAAGTACT
Allele-2:    exon2 was deleted
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Genome sequence analysis of PCR products from parental (WT) and IFI16 knockout (KO) HeLa cells, using sanger sequencing.