

# NFKBIA Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02080

## Basic Information

### Catalog No.

RM02080

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

NFKBIA

### Species

Human

### Gene ID

4792

### Swiss Prot

P25963

### Synonyms

IKBA; MAD-3; NFKBI

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease. [provided by RefSeq, Aug 2011]

## Product Information

### Description

NFKBIA Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:77bp deletion in exon1

Allele-2:77bp 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°C

### Amount

50µL, 2µg/µL.

### Storage

Lysate is stable for 12 months when stored at -20°C. 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.

## Sequencing data

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WT GACGACCGCCACGA\*\*\*\*\*AGGAGGTGCCGCGC  
Mut GACGACCGCCACGA\*\*\*Deletion\*\*\*AGGAGGTGCCGCGC  
Allele-1: 77bp deletion in exon1  
WT GACGACCGCCACGA\*\*\*\*\*AGGAGGTGCCGCGC  
Mut GACGACCGCCACGA\*\*\*Deletion\*\*\*AGGAGGTGCCGCGC  
Allele-2: 77bp deletion in exon1

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