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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

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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℃

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

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