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RIPK3 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50138

Basic Information

Catalog No.
RM50138

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
RIPK3

Species
Human

Gene ID
11035

Swiss Prot
Q9Y572

Synonyms
RIP3; RIPK3

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Background

The product of this gene is a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases, and contains a C-terminal domain unique from other RIP family members. The encoded protein is predominantly localized to the cytoplasm, and can undergo nucleocytoplasmic shuttling dependent on novel nuclear localization and export signals. It is a component of the tumor necrosis factor (TNF) receptor-I signaling complex, and can induce apoptosis and weakly activate the NF-kappaB transcription factor.

Product Information

Description
RIPK3 Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:65bp deletion in exon2
Allele-2:65bp deletion in exon2
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
Lysate is stable for 12 months when stored at -20℃. 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

WT CCCCTTGGTGTCCA**********CATAGGAAGTGGGG
Mut CCCCTTGGTGTCCA***Deletion***CATAGGAAGTGGGG
Allele-1：65bp deletion in exon2

WT CCCCTTGGTGTCCA**********CATAGGAAGTGGGG
Mut CCCCTTGGTGTCCA***Deletion***CATAGGAAGTGGGG
Allele-2：65bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and RIPK3 knockout (KO) HeLa cells, using sanger sequencing.

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