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BAX Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM01769

Basic Information

Catalog No.
RM01769

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene. [provided by RefSeq, Jul 2008]

Gene Information

Species
Human

Gene ID
581

Swiss Prot
Q07812

Synonyms
BCL2L4

Contact

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Product Information

Description
BAX Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:49bp deletion in exon3
Allele-2:49bp deletion in exon3
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

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WT     ACCCGGTGCCTCAG**************AACTGGACAGTAAC
Mut    ACCCGGTGCCTCAG***Deletion***AACTGGACAGTAAC
Allele-1：49bp deletion in exon3

WT     ACCCGGTGCCTCAG**************AACTGGACAGTAAC
Mut    ACCCGGTGCCTCAG***Deletion***AACTGGACAGTAAC
Allele-2：49bp deletion in exon3
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Genome sequence analysis of PCR products from parental (WT) and BAX knockout (KO) 293T cells, using sanger sequencing.