

ABL2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50007

Basic Information

Catalog No.

RM50007

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

ABL2

Species

Human

Gene ID

27

Swiss Prot

P42684

Synonyms

ARG; ABLL; ABL2

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Background

This gene encodes a member of the Abelson family of nonreceptor tyrosine protein kinases. The protein is highly similar to the c-abl oncogene 1 protein, including the tyrosine kinase, SH2 and SH3 domains, and it plays a role in cytoskeletal rearrangements through its C-terminal F-actin- and microtubule-binding sequences. This gene is expressed in both normal and tumor cells, and is involved in translocation with the ets variant 6 gene in leukemia. Multiple alternatively spliced transcript variants encoding different protein isoforms have been found for this gene.

Product Information

Description

ABL2 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.

Allele-1:94bp deletion in exon3

Allele-2:94bp 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°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

WT ACCATGGACCTGTG*****CGCTCAGGTACGA
Mut ACCATGGACCTGTG***Deletion***CGCTCAGGTACGA
Allele-1: 94bp deletion in exon3

WT ACCATGGACCTGTG*****CGCTCAGGTACGA
Mut ACCATGGACCTGTG***Deletion***CGCTCAGGTACGA
Allele-1: 94bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and ABL2 knockout (KO) 293T cells, using sanger sequencing.