Leader in Biomolecular Solutions for Life Science

www.abclonal.com

ABL2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50007

Basic Information

Catalog No.
RM50007

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

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.

Gene Information

Gene Symbol
ABL2

Species
Human

Gene ID
27

Swiss Prot
P42684

Synonyms
ARG; ABLL; ABL2

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℃

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.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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.