Leader in Biomolecular Solutions for Life Science

www.abclonal.com

ARHGDIA Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02373

Basic Information

Catalog No.
RM02373

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in a variety of cellular processes, and expression of this gene may be altered in tumors. Mutations in this gene have been found in individuals with nephrotic syndrome, type 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Gene Information

Gene Symbol
ARHGDIA

Species
Human

Gene ID
396

Swiss Prot
P52565

Synonyms
GDIA1; HEL-S-47e; NPHS8; RHOGDI; RHOGDI-1

Product Information

Description
ARHGDIA Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:91bp deletion in exon1
Allele-2:91bp 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.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Sequencing data

```
WT     TGCAGCGGAGAACG**************AAAGTACAAGGAGG
Mut    TGCAGCGGAGAACG***Deletion***AAAGTACAAGGAGG
Allele-1：91bp deletion in exon1

WT     TGCAGCGGAGAACG**************AAAGTACAAGGAGG
Mut    TGCAGCGGAGAACG***Deletion***AAAGTACAAGGAGG
Allele-2：91bp deletion in exon1
```

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