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ANXA1 Knockdown HeLa Cell Line, Heterozygous

Catalog No.: RM02225 1 Publications

Basic Information

Catalog No.
RM02225

Category
Cell Line

Parental Cell line
NIH/3T3

Genotype
Knockdown

Background

This gene encodes a membrane-localized protein that binds phospholipids. This protein inhibits phospholipase A2 and has anti-inflammatory activity. Loss of function or expression of this gene has been detected in multiple tumors. [provided by RefSeq, Dec 2014]

Gene Information

Gene Symbol
ANXA1

Species
Human

Gene ID
301

Swiss Prot
P04083

Synonyms
ANX1; LPC1

Product Information

Description
ANXA1 Knockdown HeLa Cell Line is engineered from NIH/3T3 cell line with Gene-Editing Technology.
Allele-1:53bp deletion in exon2
Allele-2:54bp 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 line and 1 vial knockout cell line

Shipping Conditions
Dry ice

Amount
1~5x10^6 cells/vial

Storage
Store at -20℃

Protocol
Upon arrival, it should be maintained in DMEM medium with 10%(v/v) fetal bovine serum and 100U penicillin-streptomycin, at 37℃ with 5% CO_2 condition.
1. Thaw the vial in 37℃ water bath ,and shake it to melt as soon as possible.
2. Transfer the cell suspension to a 15mL conical tube with pre-warmed 5mL complete medium and centrifuge 1000rpm for approximately 5 minutes at room temperature.
3. Remove and discard the supernatant.
4. Resuspend the cell pellet with 1mL pre-warmed complete medium and seed in 10cm dish.
5. Add 8-10mL of complete medium.
6. Incubate the culture at 37℃ incubator with 5% CO_2.
7. A subcultivation ratio of 1:2-1:4 is recommended.

Contact

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Sequencing data

```
WT     AGGTGGTCCCGGAT**************CATAAGGCCATAAT
Mut    AGGTGGTCCCGGAT***Deletion***CATAAGGCCATAAT
Allele-1：53bp deletion in exon2
WT     AGGTGGTCCCGGAT**************ATAAGGCCATAATG
Mut    AGGTGGTCCCGGAT***Deletion***ATAAGGCCATAATG
Allele-2：54bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and ANXA1 Knockdown (KD) HeLa cells, using sanger sequencing.

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