

# RHOC Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02386

## Basic Information

**Catalog No.**

RM02386

**Category**

Cell Lysate

**Parental Cell line**

HeLa

**Genotype**

Knockout

## Gene Information

**Gene Symbol**

RHOC

**Species**

Human

**Gene ID**

389

**Swiss Prot**

P08134


**Synonyms**

ARH9; ARHC; H9; RHOH9

## Contact

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## Background

This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The protein encoded by this gene is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

## Product Information

**Description**

RHOC Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:70bp deletion in exon1

Allele-2:70bp 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°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

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WT AAGACCTGCCTCCT\*\*\*\*\*ATTGAGGTGGACGG  
Mut AAGACCTGCCTCCT\*\*\*Deletion\*\*\*ATTGAGGTGGACGG  
Allele-1: 70bp deletion in exon1  
WT AAGACCTGCCTCCT\*\*\*\*\*ATTGAGGTGGACGG  
Mut AAGACCTGCCTCCT\*\*\*Deletion\*\*\*ATTGAGGTGGACGG  
Allele-2: 70bp deletion in exon1

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