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RHOA Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM02283

Basic Information

Catalog No.
RM02283

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Gene Information

Gene Symbol
RHOA

Species
Human

Gene ID
387

Swiss Prot
P61586

Synonyms
ARH12; ARHA; RHO12; RHOH12

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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. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015]

Product Information

Description
RHOA Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:40bp deletion in exon1
Allele-2:WT
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
Lysate is stable for 12 months when stored at -20℃. 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 ACCAGTTCCCAGAG**********TCGAGGTGGATGGA
Mut ACCAGTTCCCAGAG***Deletion***TCGAGGTGGATGGA
Allele-1: 40bp deletion in exon1

WT ACCAGTTCCCAGAG**********TCGAGGTGGATGGA
Mut ACCAGTTCCCAGAG***Deletion***TCGAGGTGGATGGA
Allele-2: WT

Genome sequence analysis of PCR products from parental (WT) and RHOA Knockdown (KD) HeLa cells, using sanger sequencing.