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YWHAB Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50036

Basic Information

Catalog No.
RM50036

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
YWHAB

Species
Human

Gene ID
7529

Swiss Prot
P31946

Synonyms
HS1; GW128; YWHAA; KCIP-1; HEL-S-1; 14-3-3 alpha/beta

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Background

This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene.

Product Information

Description
YWHAB Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:127bp deletion in exon1
Allele-2:127bp 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
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    AGCCAAACTCGCTG**********CTCTTCCTGGCGTG
Mut   AGCCAAACTCGCTG***Deletion***CTCTTCCTGGCGTG
Allele-1:   127bp deletion in exon1

WT    AGCCAAACTCGCTG**********CTCTTCCTGGCGTG
Mut   AGCCAAACTCGCTG***Deletion***CTCTTCCTGGCGTG
Allele-2:   127bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and YWHAB knockout (KO) HeLa cells, using sanger sequencing.

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