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YAP1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02599

Basic Information

Catalog No.
RM02599

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
YAP1

Species
Human

Gene ID
10413

Swiss Prot
P46937

Synonyms
COB1; YAP; YAP2; YAP65; YKI

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Background

This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. This gene is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2013]

Product Information

Description
YAP1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:34bp deletion in exon2
Allele-2:34bp 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 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.

Sequencing data

```
WT    CAGACAACAACATG**********AACGTCACAGCCCC
Mut   CAGACAACAACATG***Deletion***AACGTCACAGCCCC
AIIele-1:  34bp deletion in exon2

WT    CAGACAACAACATG**********AACGTCACAGCCCC
Mut   CAGACAACAACATG***Deletion***AACGTCACAGCCCC
AIIele-2:  34bp deletion in exon2
```

Genome sequence analysis of PCR products from parental (WT) and YAP1 knockout (KO) HeLa cells, using sanger sequencing.

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