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BRD4 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02351

Basic Information

Catalog No.
RM02351

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
BRD4

Species
Human

Gene ID
23476

Swiss Prot
O60885

Synonyms
CAP; HUNK1; HUNKI; MCAP

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Background

The protein encoded by this gene is homologous to the murine protein MCAP, which associates with chromosomes during mitosis, and to the human RING3 protein, a serine/threonine kinase. Each of these proteins contains two bromodomains, a conserved sequence motif which may be involved in chromatin targeting. This gene has been implicated as the chromosome 19 target of translocation t(15;19)(q13;p13.1), which defines an upper respiratory tract carcinoma in young people. Two alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008]

Product Information

Description
BRD4 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:73bp deletion in exon1
Allele-2:73bp 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
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

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WT     AGACCAACCAACTG**************ATGCCGTCAAGCTG
Mut    AGACCAACCAACTG***Deletion***ATGCCGTCAAGCTG
Allele-1：73bp deletion in exon1

WT     AGACCAACCAACTG**************ATGCCGTCAAGCTG
Mut    AGACCAACCAACTG***Deletion***ATGCCGTCAAGCTG
Allele-2：73bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and BRD4 knockout (KO) HeLa cells, using sanger sequencing.