

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°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

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

Genome sequence analysis of PCR products from parental (WT) and BRD4 knockout (KO) HeLa cells, using sanger sequencing.