

# 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

## Contact

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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

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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

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