

# PARP1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM01786

## Basic Information

### Catalog No.

RM01786

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Species

Human

### Gene ID

142

### Swiss Prot

P09874

### Synonyms

ADPRT; ADPRT 1; ADPRT1; ARTD1; PARP;  
PARP-1; PPOL; pADPRT-1

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes. [provided by RefSeq, Jul 2008]

## Product Information

### Description

PARP1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:exon2 was deleted

Allele-2:exon2 was deleted

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 TTCTCTCCTTCTA\*\*\*\*\*TACTGGGGCAGCAT  
Mut TTCTCTCCTTCTA\*\*\*Deletion\*\*\*TACTGGGGCAGCAT  
Allele-1: exon2 was deleted  
WT TTCTCTCCTTCTA\*\*\*\*\*TACTGGGGCAGCAT  
Mut TTCTCTCCTTCTA\*\*\*Deletion\*\*\*TACTGGGGCAGCAT  
Allele-2: exon2 was deleted

Genome sequence analysis of PCR products from parental (WT) and PARP1 knockout (KO) HeLa cells, using sanger sequencing.