

# PARP1 Rabbit pAb

Catalog No.: A0942

42 Publications

## Basic Information

### Observed MW

89kDa/113kDa

### Calculated MW

113kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## 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.

## Recommended Dilutions

WB 1:1000 - 1:5000

IF/ICC 1:50 - 1:200

## Immunogen Information

### Gene ID

142

### Swiss Prot

P09874

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 81-390 of human PARP1 (NP\_001609.2).

### Synonyms

PARP; PARS; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1; Poly-PARP; PARP1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

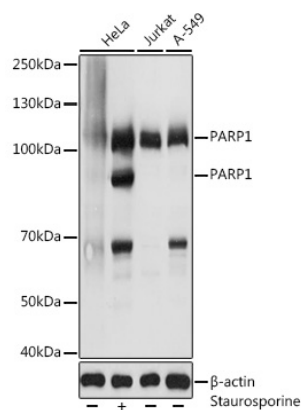
Affinity purification

### Storage

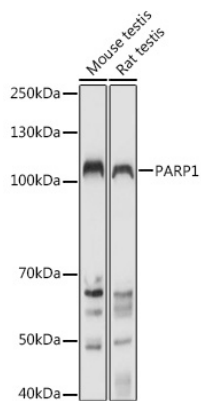
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

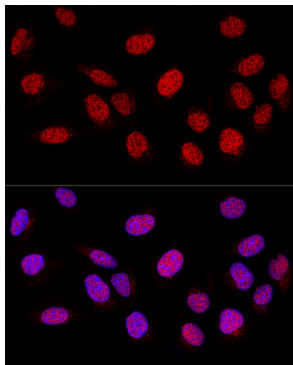
Validation Data



Western blot analysis of various lysates using PARP1 Rabbit pAb (A0942) at 1:3000 dilution. HeLa cells were treated by staurosporine (1  $\mu$ M) for 3 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Western blot analysis of various lysates using PARP1 Rabbit pAb (A0942) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



Confocal immunofluorescence analysis of U-2 OS cells using PARP1 Rabbit pAb (A0942) at dilution of 1:200. Blue: DAPI for nuclear staining.