# Anti-PARP1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100228

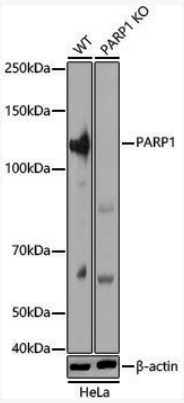
## Product Information

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| Application | WB, IF (Cell)/ICC, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:1000~1:5000; IF 1:50~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant fusion protein containing a sequence corresponding to amino acids 81-390 of human PARP1 (NP_001609.2). |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-PARP1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| Synonyms | PARP; PARS; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1; Poly-PARP; PARP1. |
| Calculated MW | Calculated MW: 113 kDa; Observed MW: 89 kDa/113 kDa |
| Uniprot ID | P09874 |
| Gene ID | 142 |
| 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. |

## Validation Images




Western blot analysis of lysates from wild type(WT) and PARP1 knockout (KO) HeLa cells, using [KO Validated] PARP1 Rabbit pAb (P100228) at 1:5,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 10s.