# Anti-Cleaved-PARP1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R012387

## Product Information

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| Application | ELISA, WB |
| Reactivity | Human |
| Dilution | WB 1:1,000~1:2,000 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 11L11K72 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthesized peptide derived from human Cleaved PARP1 |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.01% 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-Cleaved-PARP1 Rabbit mAb [11L11K72] is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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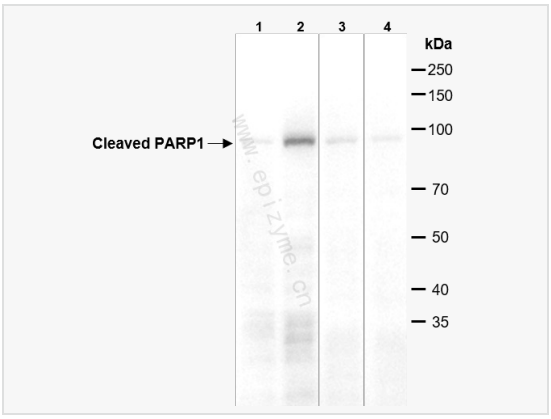
|---|---|
| Synonyms | ADP ribosyltransferase diphtheria toxin like 1, ADP ribosyltransferase NAD(+), ADP-ribosyltransferase diphtheria toxin-like 1, ADPRT 1, ADPRT, ADPRT1, APOPAIN, ARTD1, NAD(+) ADP-ribosyltransferase 1, PARP, PARP-1, PARP1, PARP1_HUMAN, Poly [ADP-ribose] polymerase 1 (PARP-1), Poly [ADP-ribose] polymerase 1, Poly ADP ribose polymerase 1, Poly(ADP ribose) polymerase, Poly[ADP-ribose] synthase 1, PPOL, SCA1. |
| Calculated MW | Calculated MW: 89 kDa; Observed MW: 89 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. [provided by RefSeq, Jul 2008] |
| Cellular Location | Nucleus. Nucleus, nucleolus. Localizes at sites of DNA damage. |

## Validation Images




Western Blot - Anti-Cleaved-PARP1 Rabbit mAb [11L11K72]
All lanes: R012387 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 3: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 89 kDa
Observed band size: 89 kDa
Developed using the ECL technique (Cat. No. SQ201).