

Catalog Number	PA-RR 000003
Batch Number(s):	PA-B-0001-RR-Parp1
Product Name	Rabbit anti-Human PARP1 Recombinant Monoclonal (BLR018M)

PRODUCT SPECIFICATION

Host	Rabbit
Colonality	Recombinant Monoclonal
Subclass	IgG
Immunogen	Immunogen was a synthetic peptide representing the cleaved N-terminal of human Poly [ADP-ribose] polymerase 1 PARP1, a region between residue 210 and 265, referencing both Uniprot ID P09874 and Gene ID 142
Conjugate	Unconjugated
Form	Liquid
Concentration	1.0 mg/mL
Purification	Affinity chromatography
Storage Buffer	Phosphate Buffer Saline, 10mM, pH 7.4
Preservative	Azide
Cryopreservative	Glycerol
Storage conditions	4°C. Avoid freeze/thaw cycles

APPLICATIONS

Western Blotting	1:250-1:1000
Immunocytochemistry / Microscopy	1:250-1:1000

PRODUCT DESCRIPTION

PARP1 (Poly(ADP-ribose) polymerase 1) plays a key role in detecting DNA damage, such as single-strand breaks (SSBs) and double-strand breaks (DSBs), by binding to the damage site. It synthesizes poly(ADP-ribose) (PAR) chains from NAD⁺, which recruit DNA repair proteins and initiate the repair process. Both PARP1 and PARP2 interact with nucleophosmin in nucleoli, a protein involved in various stages of ribosome biogenesis, including rDNA transcription and rRNA processing.

Uniprot ID	P09874
Gene ID	142
Gene Symbol	PARP1
Gene Aliases	PARP; PARS; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1; Poly-PARP

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