



# Cleaved-PARP-1 (D214) rabbit pAb

Cat No.:ES1071

For research use only

## Overview

<b>Product Name</b>	Cleaved-PARP-1 (D214) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	WB 1:500-2000, IF 1:50-300, IHC 1:50-300
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PARP. AA range:165-214
<b>Specificity</b>	Cleaved-PARP-1 (D214) Polyclonal Antibody detects endogenous levels of fragment of activated PARP-1 protein resulting from cleavage adjacent to D214.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C . Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Poly [ADP-ribose] polymerase 1
<b>Gene Name</b>	PARP1
<b>Cellular localization</b>	Nucleus . Nucleus, nucleolus . Chromosome . Localizes to sites of DNA damage. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	24kD
<b>Human Gene ID</b>	142
<b>Human Swiss-Prot Number</b>	P09874
<b>Alternative Names</b>	PARP1; ADPRT; PPOL; Poly [ADP-ribose] polymerase 1; PARP-1; ADP-ribosyltransferase diphtheria toxin-like 1; ARTD1; NAD(+) ADP-ribosyltransferase 1; ADPRT 1; Poly[ADP-ribose] synthase 1
<b>Background</b>	This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The





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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],



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