

PARP1

Rabbit Anti-Human PARP1 Affinity Purified pAb

Catalog No.	CPP143	Quantity:	100 µg
Alternate Names:	PARP1, ADPRT, PPOL, NAD(+) ADP-ribosyltransferase 1		
Description:	PARP, a 116 kDa nuclear poly (ADP-ribose) polymerase, is a highly conserved nuclear enzyme implicated in DNA repair and in the apoptosis response of cells. This protein can be cleaved by many caspases <i>in vitro</i> and is one of the main cleavage targets of caspase -3 <i>in vivo</i> . The cleavage occurs between ASP214 and Gly 215, which separates PARP's N-terminal DNA binding domain (24 kDa) from its C-terminal catalytic domain (89 kDa). It has been shown that cleavage of PARP facilitates cellular disassembly and inhibition of PARP cleavage attenuates apoptosis <i>in vitro</i> .		
Concentration:	0.2 mg/ml		
Gene ID:	142		
Specificity:	The antibody recognizes only the large fragment of PARP (89 kDa) and does not react with the full length PARP. Camptothecin treated Jurkat cell lysate can be used as a positive control.		
Host:	Rabbit		
Immunogen:	Synthetic peptide correspond to the N-terminal residues of the catalytic domain of human PARP		
Isotype:	IgG		
Formulation:	100 µg (0.2 mg/ml) affinity purified rabbit polyclonal anti-cleaved PARP antibody in phosphate-buffered saline (PBS) containing 50% glycerol + 1% BSA, and 0.02% thiomersal. Precaution: Thiomersal is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Affinity purified		
Cross-Reactivity:	Human		
Applications:	Western blot Immunohistochemistry		
Application Notes:	Western blot analysis (0.5-4 µg/ml) and immunocytochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes only the large fragment of PARP (89 kDa) and does not react with the full length PARP. Camptothecin treated Jurkat cell lysate can be used as a positive control.		
Storage & Stability:	Store at -20°C. For long term storage, aliquot and freeze at -80°C. Avoid repeated freeze/defrost cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com