

PARP1

Rabbit Anti-Rat PARP1 Affinity Purified pAb

Catalog No.	CPP145	Quantity:	100 µg
Alternate Names:	PARP1, ADPRT, PPOL, NAD(+) ADP-ribosyltransferase 1, Poly [ADP-ribose] polymerase 1; PARP-1; ADPRT 1; Poly[ADP-ribose] synthase 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:	0.5 mg/ml		
Specificity:	The antibody recognizes only the large fragment of PARP (89 kDa) and does not react with the full length PARP.		
Host:	Rabbit		
Immunogen:	Synthetic peptide corresponding to the C-terminus adjacent to Asp214 of mouse PARP		
Isotype:	IgG		
Formulation:	100 µg (0.2 mg/ml) affinity purified, polyclonal rabbit anti-cleaved PARP antibody in phosphate-buffered saline (PBS) containing 50% glycerol + 1% BSA, and 0.02% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Affinity purified		
Species Reactivity:	Rat		
Applications:	Western blot Immunohistochemistry		
Application Notes:	Western blot analysis (1 µg/ml) and immunocytochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually. The polyclonal anti-cleaved PARP antibody recognizes only the large fragment of PARP (89 kDa) and does not react with the full length PARP.		
Storage & Stability:	Store at -20°C. For long term storage, aliquot and freeze at -80°C. Avoid repeated freeze/thaw cycles.		

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