

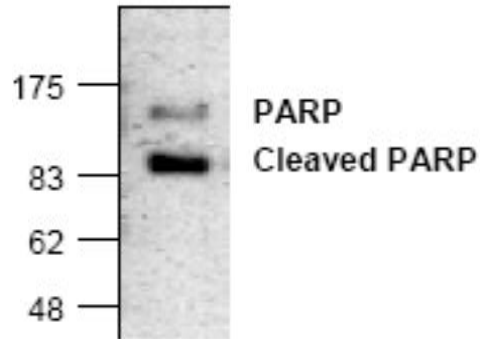
## PARP1

### Rabbit Anti-Human Poly ADP-Ribose Polymerase 1 Affinity Purified pAb

<b>Catalog No.</b>	CPP139	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	PARP, ADPRT, ADPRT1, PARP-1, PPOL		
<b>Gene ID:</b>	142		
<b>Description:</b>	Rabbit Anti-Human PARP Affinity Purified polyclonal antibody. PARP is a 116 kDa, highly conserved nuclear enzyme present in higher eukaryotes. The enzyme is a Zn <sup>2+</sup> -dependent DNA binding protein that recognizes DNA strand breaks and is implicated in DNA repair and in apoptosis responses 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> .		
<b>Concentration:</b>	0.2 mg/ml		
<b>Specificity:</b>	Recognizes the full length (116 kDa) and the cleaved fragment (85 kDa) of human PARP.		
<b>Host:</b>	Rabbit		
<b>Immunogen:</b>	Synthetic peptide corresponding to caspase cleavage site in human PARP		
<b>Formulation:</b>	Liquid in PBS + 30% glycerol + 0.5% BSA + 0.01% thimerosal. Precaution: Thimerosal is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	Biospecific affinity chromatography		
<b>Applications:</b>	Western Blot		
<b>Application Notes:</b>	For Western Blot, use a working dilution of 1-4 µg/ml. The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Store at -20°C or in working aliquots at -80°C for long term storage. <b>Avoid repeated freeze-thaw cycles.</b>		



Western Blot analysis of PARP expression in Jurkat cells induced with camptothecin



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



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