

Product datasheet for TA336426

PARP1 Mouse Monoclonal Antibody [Clone ID: 194C1439]

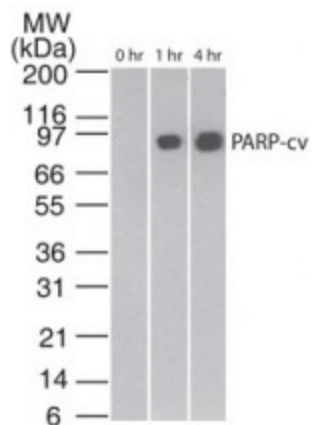
Product data:

Product Type:	Primary Antibodies
Clone Name:	194C1439
Applications:	WB
Recommend Dilution:	WB: 1-2 ug/ml, FC: Intracellular: 1-3 ug/test
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was developed by immunizing mice with a synthetic peptide containing amino acids near 214/215-cleavage site of human PARP.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	0.5 mg/ml
Purification:	Protein G purified
Gene Name:	poly(ADP-ribose) polymerase 1
Database Link:	NP_001609 Entrez Gene 142 Human
Background:	The poly (ADP-ribose) polymerase (PARP) is involved in cell recovery from DNA damage, such as methylation of N3-adenine, which activates the base excision repair process. PARP [Poly (ADP-ribose) polymerase] is a 116 kDa nuclear chromatin-associated enzyme that is cleaved during apoptosis by caspase-3 into a 24 kDa fragment containing the DNA binding domain and an 89 kDa fragment containing the catalytic and automodification domains. The 24 kDa-fragment irreversibly bind to DNA and may contribute to the irreversibility of apoptosis by blocking the access of DNA repair enzymes to DNA strand breaks.
Synonyms:	ADPRT; ADPRT 1; ADPRT1; ARTD1; pADPRT-1; PARP; PARP-1; PPOL
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Base excision repair



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Product images:



Western Blot: PARP Antibody (194C1439) [TA336426] - Analysis of cleaved PARP in staurosporine-treated Jurkat cells at various time points, using this antibody at 2 ug/ml. The band corresponding to cleaved PARP is only seen in the treated samples. anti-mou