

Product datasheet for **TA318859**

PARP1 Mouse Monoclonal Antibody [Clone ID: 7A10]

Product data:

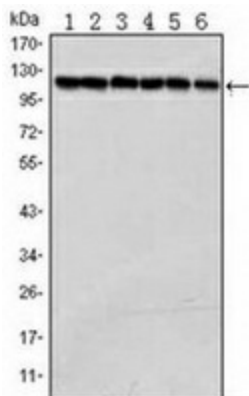
Product Type:	Primary Antibodies
Clone Name:	7A10
Applications:	FC, WB
Recommended Dilution:	WB: 1:500-2000, IF: 1:200-400
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues before the cleavage site of human PARP-1 was used as immunogen. The antibody only recognizes full-length form (p116) of PARP-1.
Formulation:	Supplied in 10 mM HEPES sodium (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol, and 0.03% sodium azide
Purification:	N/A
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	poly(ADP-ribose) polymerase 1
Database Link:	NP_001609 Entrez Gene 142 Human P09874
Background:	PARP, a 116 kDa nuclear poly (ADP-ribose) polymerase, appears to be involved in DNA repair in response to environmental stress. This protein can be cleaved by many ICE-like Caspases in vitro and is one of the main cleavage targets of caspase-3 in vivo. In human PARP, the cleavage occurs between Asp214 and Gly215, which separates the PARP amino-terminal DNA binding domain (24 kDa) from the carboxy-terminal catalytic domain (89 kDa). PARP helps cells to maintain their viability; cleavage of PARP facilitates cellular disassembly and serves as a marker of cells undergoing apoptosis.
Synonyms:	ADPRT; ADPRT 1; ADPRT1; ARTD1; pADPRT-1; PARP; PARP-1; PPOL
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors



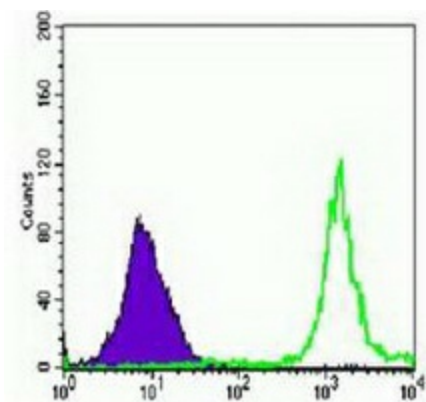
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Protein Pathways: Base excision repair

Product images:



Western blot analysis using PARP mouse mAb against Jurkat (1), K562 (2), HeLa (3), Raji (4), THP-1 (5) and SW620 (6) cell lysate.



Flow cytometric analysis of Jurkat cells using anti-PARP mAb (green) and negative control (purple).