

Rabbit anti-Human, Mouse PARP Polyclonal Antibody | anti-PARP1 antibody

PARP Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36796	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PARP; Polyclonal Antibody; PARP Polyclonal Antibody; PARP1; ADPRT; ADPRT1; PPOL; pADPRT1;; anti-PARP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	1014
Applicable Applications for anti-PARP1 antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic -peptide of human PARP
Preparation and Storage	Store at -20 degree C or -80 degree C. Avoid freeze / thaw cycles

IMAGES



WB (Western Blot)

Western blot analysis of extracts of mouse testis, using PARP1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit.Exposure time: 30s.



WB (Western Blot)

Western blot analysis of extracts of Jurkat cells, using PARP1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PARP1 antibody	PARP, a 116 kDa nuclear poly (ADPribose) polymerase, appears to be involved in DNA repair in response to environmental stress (1). This protein can be cleaved by many ICElike caspases in vitro (2,3) and is one of the main cleavage targets of caspase3 in vivo (4,5). In human PARP, the cleavage occurs between Asp214 and Gly215, which separates the PARP aminoterminal DNA binding domain (24 kDa) from the carboxyterminal catalytic domain (89 kDa) (2,4). PARP helps cells to maintain their viability; cleavage of PARP facilitates cellular disassembly and serves as a marker of cells undergoing apoptosis (6).
References	1. Satoh, M.S. and Lindahl, T. (1992) Nature 356, 356358. 2. Lazebnik, Y. A. et al. (1994) Nature 371, 346347. 3. Cohen, G.M. (1997) Biochem. J. 326, 116. 4. Nicholson, D. W. et al. (1995) Nature 376, 3743. 5. Tewari, M. et al. (1995) Cell 81, 801809. 6. Oliver, F.J. et al. (1998) J. Biol. Chem. 273, 3353333539.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156523968
NCBI GeneID	142
NCBI Accession #	NP_001609.2
NCBI GenBank Nucleotide #	NM_001618.3
UniProt Accession #	P09874; Q8IUZ9; B1ANJ4
Molecular Weight	116/25kDa
NCBI Official Full Name	poly
NCBI Official Synonym Full Names	poly (ADP-ribose) polymerase 1
NCBI Official Symbol	PARP1
NCBI Official Synonym Symbols	PARP; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1
NCBI Protein Information	poly [ADP-ribose] polymerase 1; poly [ADP-ribose] polymerase 1; poly(ADP-ribose) polymerase; poly(ADP-ribose) synthetase; poly[ADP-ribose] synthase 1; poly(ADP-ribosyl)transferase; ADP-ribosyltransferase NAD(+); NAD(+) ADP-ribosyltransferase 1; poly (ADP-ribose) polymerase family, member 1; ADP-ribosyltransferase diphtheria toxin-like 1; ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)
UniProt Protein Name	Poly [ADP-ribose] polymerase 1
UniProt Gene Name	PARP1
UniProt Synonym Gene Names	ADPRT; PPOL; PARP-1; ARTD1; ADPRT 1
UniProt Entry Name	PARP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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