

Rabbit Phospho-PARP1 (S177) Polyclonal Antibody | anti-PARP1 antibody

Phospho-PARP1 (S177) Antibody

CATALOG # AAA284168	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Hamster, Mouse, Rat)	APPLICATIONS ELISA, Dot Blot
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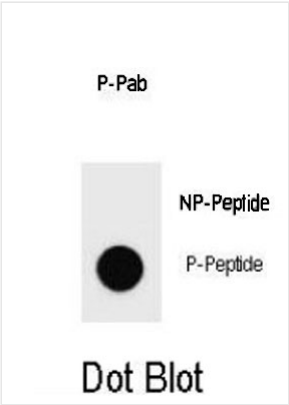
PRODUCT SYNONYMS

Phospho-PARP1 (S177); Polyclonal Antibody; Phospho-PARP1 (S177) Antibody; Poly [ADP-ribose] polymerase 1; PARP-1; ADP-ribosyltransferase diphtheria toxin-like 1; ARTD1; NAD(+) ADP-ribosyltransferase 1; ADPRT 1; Poly[ADP-ribose] synthase 1; PARP1; ADPRT; PPOL; anti-PARP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PARP1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S177 of human PARP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	1014
Applicable Applications for anti-PARP1 antibody	ELISA, DB (Dot Blot)
Function	Poly-ADP-ribosyltransferase that mediates poly-ADP- ribosylation of proteins and plays a key role in DNA repair.
Cellular Location	Nucleus. Nucleus, nucleolus. ChromosomeNote=Localizes to sites of DNA damage.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



DB (Dot Blot)
Dot blot analysis of Phospho-PARP1-S177 Antibody Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PARP1 antibody	This gene encodes a chromatin-associatedenzyme,poly(ADP-ribosyl)transferase, which modifies various nuclearproteins by poly(ADP-ribosyl)ation. Themodification is dependenton DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconianemia, and may participate in the pathophysiology of type I diabetes.
Product Categories/Family for anti-PARP1 antibody	Cell Biology; Metabolism; Phospho Antibodies
References	Majewski, P.M., et al. J. Biol. Chem. 285(45):34828-34838(2010) Kim, M., et al. Cancer Sci. 101(11):2436-2442(2010) Dong, Y., et al. Cancer Res. 70(20):8088-8096(2010) Krishnakumar, R., et al. Mol. Cell 39(5):736-749(2010) Lee, K.A., et al. Rheumatol. Int. (2010) In press :

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	113084
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
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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phospho-parp1-s177-antibody-dot-blot-elisa/284168>