

Rabbit anti-Human PARP-1 Polyclonal Antibody | anti-PARP-1 antibody

PARP-1 C-terminal antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59879	Rabbit	Human	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

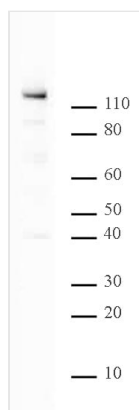
PRODUCT SYNONYMS

PARP-1; Polyclonal Antibody; PARP-1 C-terminal antibody (pAb); PARP; PPOL; ADPRT; ARTD1; ADPRT1; ADPRT 1; pADPRT-1; anti-PARP-1 antibody

PRODUCT SPECIFICATIONS

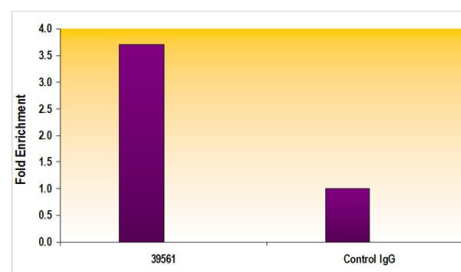
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-PARP-1 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Immunogen	This PARP-1 C-terminal antibody was raised against a His-Tagged fusion protein corresponding to the C-terminal half of human PARP-1 was used to generate this PARP-1 antibody.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



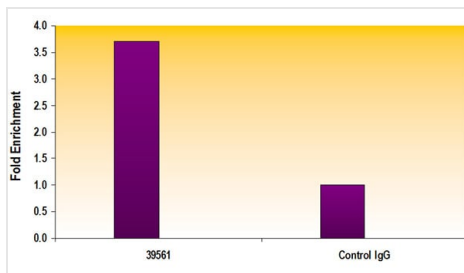
WB (Western Blot)

PARP-1 C-terminal antibody tested by Western blot. HeLa nuclear extract (20 ug per lane) was probed with PARP-1 C-terminal antibody at a dilution of 1:6,000.



ChIP (Chromatin Immunoprecipitation)

PARP-1 C-terminal antibody tested by ChIP analysis. Chromatin IP performed using the ChIP-IT Express Kit and MCF-7 chromatin (1.5 x 10⁶ cell equivalents per ChIP) using 10 ul of PARP-1 C-terminal antibody or the equivalent amount of rabbit IgG as a negative control. Real time, quantitative PCR (RT-qPCR) was performed on DNA purified from each of the ChIP reactions using a primer pair specific for the BRCA2 gene promoter. Data are presented as Fold Enrichment of the ChIP antibody signal versus the negative control IgG using the ddCT method.



ChIP (Chromatin Immunoprecipitation)

PARP-1 C-terminal antibody (pAb) antibody (rAb) tested by ChIP-Seq. Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT High Sensitivity Kit with 30 ug of chromatin from human NCI-H209 lung cancer cells and 10 ul of PARP-1 C-terminal antibody (pAb). ChIP DNA was sequenced on the Illumina NextSeq and 7.7 million sequence tags were mapped to identify PARP binding sites on chromosome 17.

ADDITIONAL INFORMATION

Related Product Information for anti-PARP-1 antibody	Short Description: Our PARP-1 C-terminal antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and Western blot; it has been shown to react with Human samples. Background: PARP-1 C-terminal (ADPRT) encodes a chromatin-associated enzyme, poly(ADP-riboseyl)transferase, that modifies various nuclear proteins by poly(ADP-riboseyl)ation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation and tumor transformation. It also plays a role in the regulation of the molecular events involved in the recovery of cells from DNA damage. Cleavage of PARP-1 (ADPRT) occurs following caspase activation during apoptosis. For additional information on PARP-1, please see the review article PARP-1: An Abundant and Ubiquitous Protein with Roles in Many Cellular Processes in the Targets & Applications section or our website.
Product Categories/Family for anti-PARP-1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	156523968
NCBI GeneID	142
NCBI Accession #	NP_001609 ; AB_2793258
NCBI GenBank Nucleotide #	NM_001618
UniProt Accession #	P09874 ; Q8IUZ9 ; B1ANJ4
Molecular Weight	113,084 Da
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; ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase); ADP-ribosyltransferase NAD(+); ADP-ribosyltransferase diphtheria toxin-like 1; NAD(+) ADP-ribosyltransferase 1; poly (ADP-ribose)
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/parp-1-antibody-western-blot-chromatin-immunoprecipitation-chromatin-immunoprecipitation-elisa/59879>