

Rabbit Cleaved-PARP Polyclonal Antibody | anti-PARP antibody

Cleaved-PARP Antibody

CATALOG # AAA328233	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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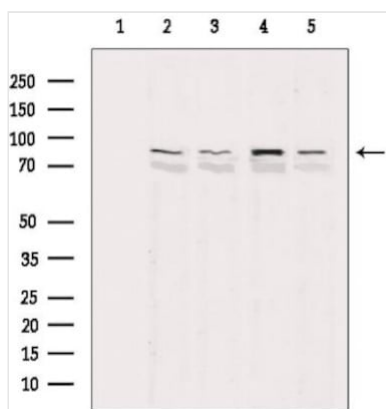
PRODUCT SYNONYMS

Cleaved-PARP; Polyclonal Antibody; Cleaved-PARP Antibody; ADP-ribosyltransferase diphtheria toxin-like 1; ADPRT 1; ADPRT; ADPRT1; APOPAIN; ARTD1; NAD(+) ADP-ribosyltransferase 1; PARP-1; PARP1; PARP1_HUMAN; Poly [ADP-ribose] polymerase 1; Poly ADP ribose polymerase 1; Poly[ADP-ribose] synthase 1; PPOL; SCA1; anti-PARP antibody

PRODUCT SPECIFICATIONS

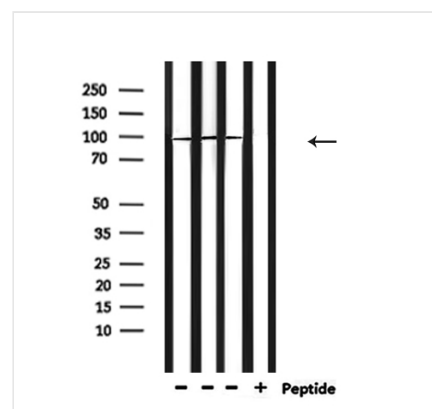
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	1014
Applicable Applications for anti-PARP antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized peptide derived from human PARP.
Preparation and Storage	Store at -20°C. Stable for 14 months from date of receipt.

IMAGES



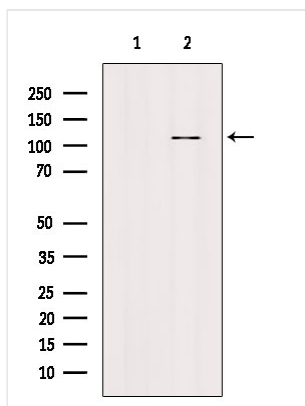
WB (Western Blot)

Western blot analysis of extracts from various samples, using Cleaved-PARP (Asp214) Ab. Lane 1: Rat heart, blocked with antigen-specific peptides. Lane 2: Rat heart. Lane 3: Mouse brain. Lane 4: A549 cells (serum starvation treatment). Lane 5: Raji cells (serum starvation treatment).



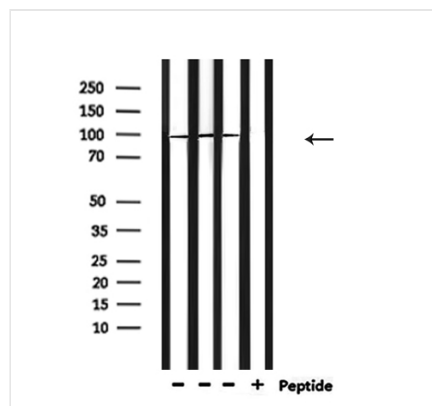
WB (Western Blot)

Western blot analysis of extracts from mouse brain, rat brain, rat spleen, using Cleaved-PARP antibody.



WB (Western Blot)

Western blot analysis of extracts from 293t, using Cleaved-PARP Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from rat brain, mouse brain, mouse muscle, using Cleaved-PARP antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PARP antibody

Description: Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks (PubMed:17177976, PubMed:18172500, PubMed:19344625, PubMed:19661379, PubMed:23230272). Mediates the poly(ADP-ribosyl)ation of APLF and CHFR (PubMed:17396150). Positively regulates the transcription of MTUS1 and negatively regulates the transcription of MTUS2/TIP150. With EEF1A1 and TXK, forms a complex that acts as a T-helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production (PubMed:17177976). Required for PARP9 and DTX3L recruitment to DNA damage sites (PubMed:23230272). PARP1-dependent PARP9-DTX3L-mediated ubiquitination promotes the rapid and specific recruitment of 53BP1/TP53BP1, UIMC1/RAP80, and BRCA1 to DNA damage sites (PubMed:23230272). Mediates serine ADP-ribosylation of target proteins following interaction with HPF1; HPF1 conferring serine specificity (PubMed:28190768). Mediates the poly(ADP-ribosyl)ation of histones in a HPF1-dependent manner (PubMed:27067600). Involved in the synthesis of ATP in the nucleus, together with NMNAT1, PARG and NUDT5 (PubMed:27257257). Nuclear ATP generation is required for extensive chromatin remodeling events that are energy-consuming (PubMed:27257257).

NCBI AND UNIPROT INFORMATION

NCBI GI #	156523968
NCBI GeneID	142
NCBI Accession #	NP_001609.2
NCBI GenBank Nucleotide #	NP_001609.2
UniProt Accession #	P09874
Molecular Weight	Observed: 25 kDa (active); 85 kDa (N-terminal fragment); 115 kDa (pro) Predicted: 114 kDa
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/cleaved-parp-antibody-peptide-elisa-western-blot-elisa/328233>