

Datasheet for ABIN7208149

**anti-PARP1 antibody (Cleaved-Asp214)**

7 Images

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## Overview

Quantity:	100 µL
Target:	PARP1
Binding Specificity:	AA 140-220, Cleaved-Asp214
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PARP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Cleaved-PARP-1 (D214) Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the Internal region of human PARP-1 at AA range: 140-220
Isotype:	IgG
Specificity:	Cleaved-PARP-1 (D214) Polyclonal Antibody detects endogenous levels of fragment of activated PARP-1 protein resulting from cleavage adjacent to D214.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

## Target Details

Target:	PARP1
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## Target Details

Alternative Name:	PARP-1 ( <a href="#">PARP1 Products</a> )
Background:	Rabbit Anti-Cleaved-PARP-1 (D214) Polyclonal Antibody,PARP1, ADPRT, PPOL, 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 encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)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 and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, poly(ADP-ribose) polymerase 1 may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes.,Poly [ADP-ribose] polymerase 1
Gene ID:	142
UniProt:	<a href="#">P09874</a>
Pathways:	<a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">DNA Damage Repair</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Maintenance of Protein Location</a>

## Application Details

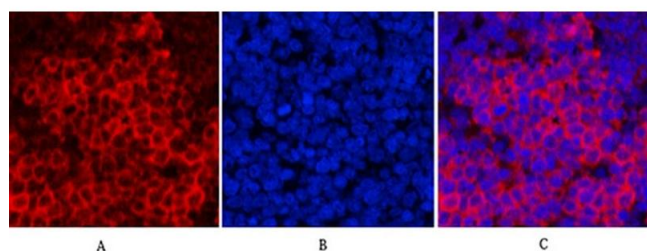
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:300), IHC-P (1:50-1:300), ELISA (1:20000). Not yet tested in other applications.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product,

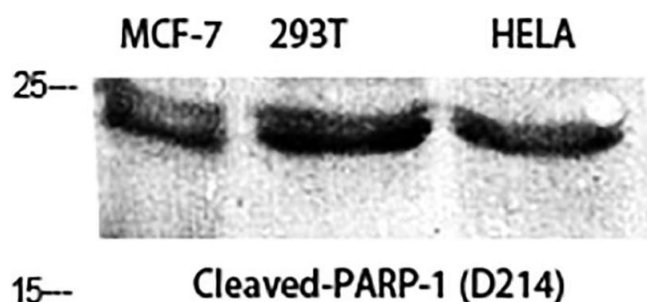
centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

## Images



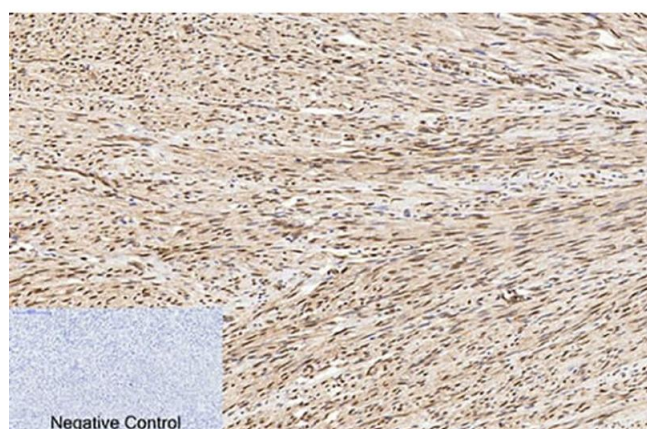
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of rat spleen tissue. 1, Cleaved-PARP-1 (D214) Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



### Western Blotting

**Image 2.** Western Blot analysis of MCF-7 (1), 293T (2), and HELA (3), diluted at 1:2000.



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, Cleaved-PARP-1 (D214) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7208149.