

Product Data Sheet: Cleaved PARP-1 (D214) Rabbit Polyclonal Antibody

Cat. No: AB-84744

Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rabbit

Isotype: IgG

Immunogen: The antiserum was produced against synthesized peptide derived from human

PARP. AA range:165-214

Reactivity: Human

Western Blot: 1:500-2000

Applications: Immunofluorescence: 1:50-300

Immunohistochemistry: 1:50-300

Molecular Weight: 24 kDa

Purification: The antibody was affinity- purified from rabbit antiserum by affinity-

chromatography using epitope- specific immunogen.

PARP1; ADPRT; PPOL; Poly [ADP-ribose] polymerase 1; PARP- 1; ADP-

Synonyms: ribosyltransferase diphtheria toxin-like 1; ARTD1; NAD(+) ADP-ribosyltransferase

1; ADPRT 1; Poly [ADP-ribose] synthase 1

poly(ADP-ribose) polymerase 1(PARP1) Homo sapiens This gene encodes a chromatin-associated enzyme, poly(ADP- ribosyl) transferase, which modifies

various nuclear proteins by poly(ADP-ribosyl)ation. The modification is

Background:dependent on DNA and is involved in the regulation of various important cellular

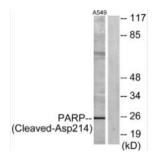
processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi

anemia, and may participate in the pathophysiology of type I diabetes.

Form: Liquid

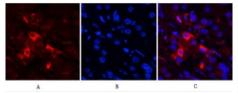
Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.

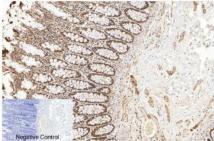


Western blot analysis of lysates from A549 cells, treated with etoposide 25uM 24h, using PARP (Cleaved-Asp214) Antibody.

The lane on the right is blocked with the



Immunofluorescence analysis of Humanstomach-cancer tissue. 1,Cleaved-PARP-1 (D214) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target.



Immunohistochemical analysis of paraffin-embedded Human-colon-cancer tissue. 1,Cleaved-PARP-1 (D214) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate



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synthesized peptide.

Picture B: DAPI.

Picture C: merge of A+B

pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

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