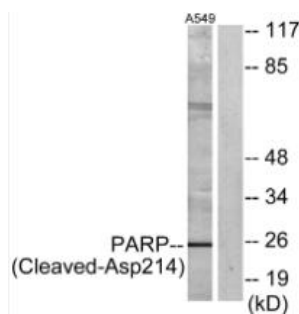
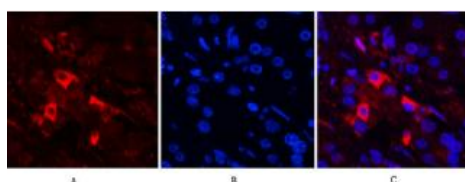


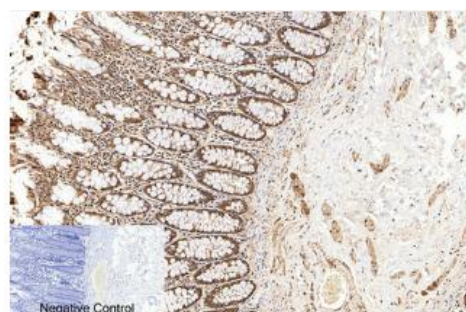
Product name:	Cleaved PARP-1 (D214) Rabbit Polyclonal Antibody
Cat number:	AB-84744
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human PARP. AA range:165-214
Reactivity:	Human
Applications:	Western Blot: 1:500-2000 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.
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.
Background:	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 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.



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 synthesized peptide.



Immunofluorescence analysis of Human-stomach-cancer 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, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



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 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.