

**产品名称:** Cleaved-PARP-1 (D214) Rabbit Polyclonal Antibody

**产品货号:** APRab09025

### 产品概述 (Summary)

|                   |                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------|
| 描述(Description)   | Rabbit polyclonal Antibody                                                                        |
| 宿主(Host)          | Rabbit                                                                                            |
| 应用(Application)   | WB,IHC,ICC/IF                                                                                     |
| 种属反应(Reactivity)  | Human,Mouse                                                                                       |
| 偶联物(Conjugation)  | Unconjugated                                                                                      |
| 修饰(Modification)  | Unmodified                                                                                        |
| 同种型(Isotype)      | IgG                                                                                               |
| 克隆(Clonality)     | Polyclonal                                                                                        |
| 剂型(Form)          | Liquid                                                                                            |
| 保存条件(Storage)     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液(Buffer)      | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化 (Purification) | Affinity purification                                                                             |

### 产品应用(Application)

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| 稀释比(Dilution Ratio)   | WB 1:500-1:2000,IHC 1:50-1:300,ICC/IF 1:50-1:300 |
| 分子量(Molecular Weight) | 24kDa                                            |

### 抗原信息(Antigen Information)

|                       |                                                                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名(Gene Name)        | PARP1                                                                                                                                                                                    |
| 别名(Alternative Names) | 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 |
| 基因 ID(Gene ID)        | 142.0                                                                                                                                                                                    |
| SwissProt ID          | P09874                                                                                                                                                                                   |
| 免疫原(Immunogen)        | The antiserum was produced against synthesized peptide derived from human PARP. AA range:165-214                                                                                         |

### 研究背景 (Background)

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. [provided by RefSeq, Jul 2008],catalytic activity:NAD(+) + (ADP-D-ribosyl)(n)-acceptor = nicotinamide + (ADP-D-ribosyl)(n+1)-acceptor.,function: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.,miscellaneous:The ADP-D-ribosyl group of NAD(+) is transferred to an acceptor carboxyl group on a histone or the enzyme itself, and further ADP-ribosyl groups are transferred to the 2'-position of the terminal adenosine moiety, building up a polymer with an average chain length of 20-30 units.,PTM:Phosphorylated by PRKDC. Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:Poly-ADP-ribosylated by PARP2.,similarity:Contains 1 BRCT domain.,similarity:Contains 1 PARP alpha-helical domain.,similarity:Contains 1 PARP catalytic domain.,similarity:Contains 2 PARP-type zinc fingers.,subunit:Component of a base excision repair (BER) complex, containing at least XRCC1, PARP2, POLB and LIG3. Homo- and heterodimer with PARP2. Interacts with PARP3, APTX and SRY. The SWAP complex consists of NPM1, NCL, PARP1 and SWAP70. Interacts with TIAM2 and ZNF423.,

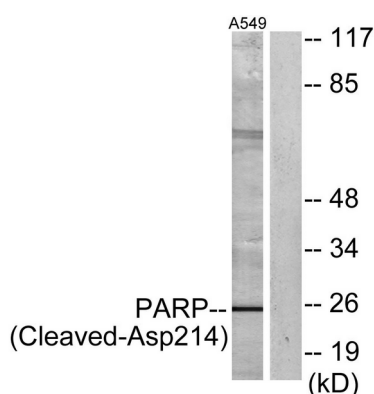
## 研究领域 (Research Area)

Base excision repair;

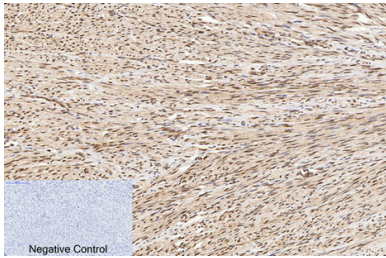
## 注意事项 (Note)

For research use only.

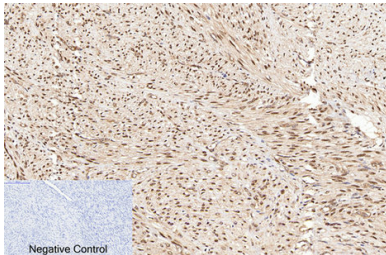
## 图片 (Image Data)



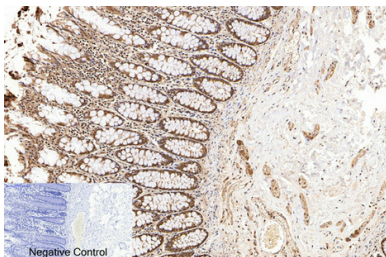
Western blot analysis of lysates from A549 cells, treated with etoposide 25uM 24h, using PARP (Cleaved-Asp214) Antibody. The lane on the right is blocked with the synthesized peptide.



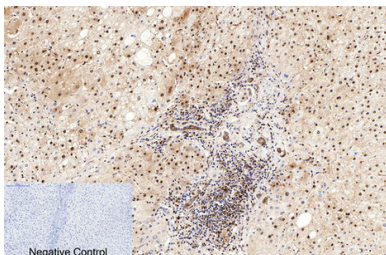
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,Cleaved-PARP-1 ( D214 ) Polyclonal Antibody was diluted at 1:200 ( 4°C,overnight ) . 2, Sodium citrate pH 6.0 was used for antibody retrieval ( >98°C,20min ) . 3,Secondary antibody was diluted at 1:200 ( room tempeRature, 30min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



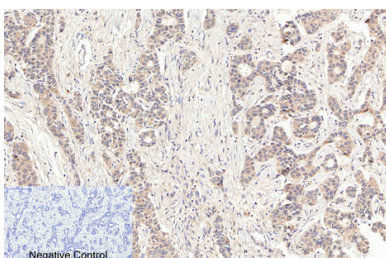
Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,Cleaved-PARP-1 ( D214 ) Polyclonal Antibody was diluted at 1:200 ( 4°C,overnight ) . 2, Sodium citrate pH 6.0 was used for antibody retrieval ( >98°C,20min ) . 3,Secondary antibody was diluted at 1:200 ( room tempeRature,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



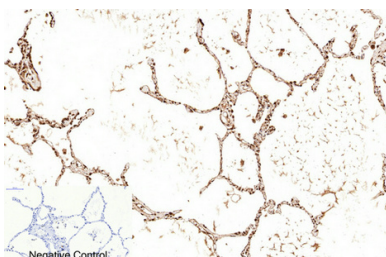
Immunohistochemical analysis of paraffin-embedded Human-colon-cancer tissue. 1,Cleaved-PARP-1 ( D214 ) Polyclonal Antibody was diluted at 1:200 ( 4°C,overnight ) . 2, Sodium citrate pH 6.0 was used for antibody retrieval ( >98°C,20min ) . 3,Secondary antibody was diluted at 1:200 ( room tempeRature,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



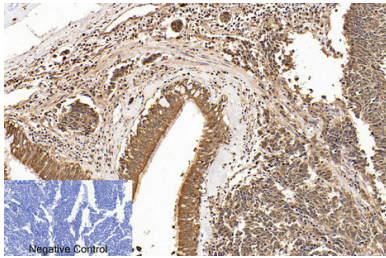
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,Cleaved-PARP-1 ( D214 ) Polyclonal Antibody was diluted at 1:200 ( 4°C,overnight ) . 2, Sodium citrate pH 6.0 was used for antibody retrieval ( >98°C,20min ) . 3,Secondary antibody was diluted at 1:200 ( room tempeRature, 30min )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



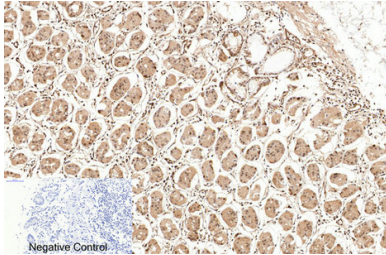
Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1,Cleaved-PARP-1 ( D214 ) Polyclonal Antibody was diluted at 1:200 ( 4°C,overnight ) . 2, Sodium citrate pH 6.0 was used for antibody retrieval ( >98°C,20min ) . 3,Secondary antibody was diluted at 1:200 ( room tempeRature,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



Immunohistochemical analysis of paraffin-embedded Human-lung 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.



Immunohistochemical analysis of paraffin-embedded Human-lung-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.



Immunohistochemical analysis of paraffin-embedded Human-stomach 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.

## EnkiLife 优势产品推荐

| 产品类别                        | 产品货号     | 产品名称                                               |
|-----------------------------|----------|----------------------------------------------------|
| WB 解决方案                     | RA10020  | 2h 极速 WB 即用型全流程试剂盒                                 |
|                             | RA10021  | 4h 快速 WB 即用型全流程试剂盒                                 |
|                             | RA10042  | 5h 畅享版 WB 全流程试剂盒                                   |
|                             | RA10037  | 校准级彩色预染蛋白 Marker (8-180kDa)                        |
|                             | RA10038  | 校准级彩色预染蛋白 Marker (10-250kDa)                       |
|                             | RA10039  | 校准级高分子彩色预染蛋白 Marker (25-400kDa)                    |
| TSA 多重荧光染色试剂盒               | RA10008  | TSA 双标三色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10009  | TSA 三标四色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10010  | TSA 四标五色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10011  | TSA 五标六色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10012  | TSA 六标七色多重荧光染色试剂盒 (mIHC)                           |
| IHC 检测试剂盒                   | RA10006  | HRP Anti-Mouse/Rabbit IHC Detection System         |
|                             | RA10007  | Polymer-HRP Anti-Mouse/Rabbit IHC Detection System |
| 抗体标记试剂盒                     | RE80004p | 辣根过氧化物酶(HRP)抗体标记试剂盒                                |
|                             | RE80002q | Sulfo-NHS-生物素标记试剂盒                                 |
|                             | RE80007p | Cy3 荧光素标记试剂盒                                       |
|                             | RE80011p | Fluor488 荧光素标记试剂盒                                  |
|                             | RE80017p | Fluor750 荧光素标记试剂盒                                  |
|                             | RE80005p | 藻红蛋白(R-PE) 抗体快速标记试剂盒                               |
|                             | RE80040  | PE-Cy7 串联染料抗体快速标记试剂盒                               |
| 稳转细胞系构建服务<br>(免费赠送全膜 WB 验证) | TS-0001  | 过表达稳转细胞系构建                                         |
|                             | TS-0002  | 敲低稳转细胞系构建                                          |
|                             | TS-0003  | 敲除细胞系构建                                            |

限于篇幅，更多产品详见官网：<https://www.enkilife.cn>