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Datasheet for ABIN6145232

## anti-PARP1 antibody (AA 81-390)

8 Images

2 Publications

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | PARP1  |
| Binding Specificity: | AA 81-390  |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This PARP1 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF) |

### Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 81-390 of human PARP1 (NP_001609.2).  |
| Sequence:         | DQQKVKKTAE AGGVTGKGQD GIGSKAEKTL GDFAAEYAKS NRSTCKGCME KIEKGQVRLS<br>KKMVDPEKPQ LGMIDRWYHP GCFVKNREEL GFRPEYSASQ LKGFSLATE DKEALKKQLP<br>GVKSEGKRKG DEVDGVDEVA KKKSKKEKDK DSKLEKALKA QNDLIWNIKD ELKKVCSTND<br>LKELLIFNKQ QVPSGESAIL DRVADGMVFG ALLPCEECSSG QLVFKSDAYY CTGDVTAWTK<br>CMVKTQTPNR KEWVTPKEFR EISYLKCLKV KKQDRIFPPE TSASVAATPP PSTASAPAAV<br>NSSASADKPL |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human, Mouse, Rat   |

## Product Details

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Characteristics: Polyclonal Antibodies

## Target Details

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Target: PARP1

Alternative Name: PARP1 ([PARP1 Products](#))

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.,ADPRT,ADPRT 1,ADPRT1,ARTD1,PARP,PARP-1,PPOL,pADPRT-1,PARP1,Cleaved PARP,PARP1,Epigenetics & Nuclear Signaling,Chromatin Modifying Enzymes,other,DNA Damage & Repair,RNA Binding,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,Death Receptor Signaling Pathway,Immunology & Inflammation,NF-kB Signaling Pathway,PARP1

Molecular Weight: 113 kDa

Gene ID: 142

UniProt: [P09874](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#), [Maintenance of Protein Location](#)

## Application Details

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Application Notes: WB,1:1000 - 1:3000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

## Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

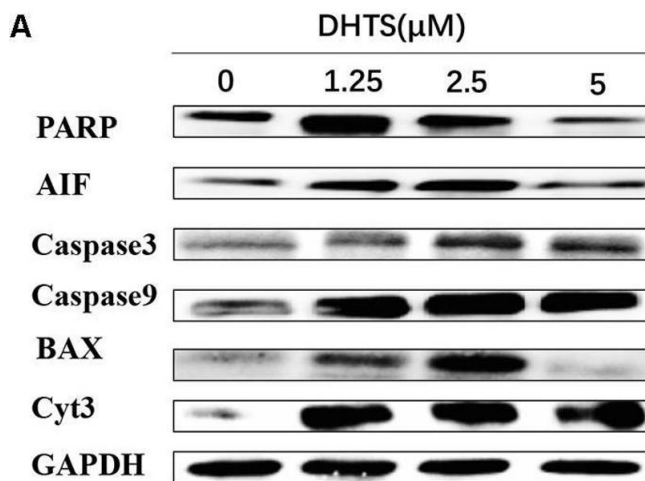
Storage: -20 °C

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

## Publications

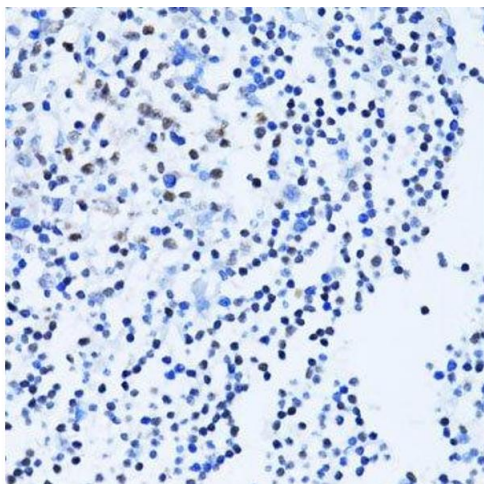
Product cited in: Guo, Hu, Chen, Li, Ye, Cheng, Zhang, He: "iTRAQ-based comparative proteomic analysis of Vero cells infected with virulent and CV777 vaccine strain-like strains of porcine epidemic diarrhea virus." in: **Journal of proteomics**, Vol. 130, pp. 65-75, (2016) ([PubMed](#)).

## Images



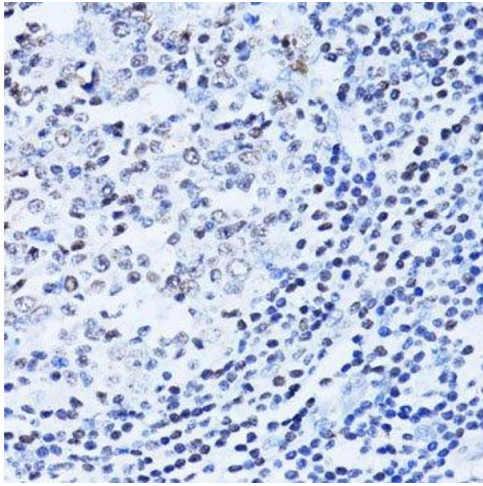
### Western Blotting

**Image 1.** Apoptosis related proteins were detected in EOMA cells after treated with DHTS and propranolol. (A,B) DHTS induced PARP, Aif, Caspase9, Caspase3, Bax and Cyts3 in low concentration more than in high concentration, while induced FADD and Caspase 8 more in relatively high concentration. (C,D) Propranolol induced PARP, Aif, Caspase9, Caspase3, Bax and Cyts3 in high concentration more than in low concentration, while induced FADD and Caspase 8 more in relatively low concentration. - figure provided by CiteAb. Source: PMID29441017



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry of paraffin-embedded human tonsil using PARP1 antibody.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded human appendix using PARP1 antibody.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN6145232.