# [KO Validated] PARP1 Rabbit Polyclonal Antibody



**CAB0942** 

#### **Product Information**

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

100kDa, 110kDa, 125kDa

**Calculated MW:** 

113kDa

**Applications:** 

WB IHC IF IP

Reactivity:

Human, Mouse, Rat

# **Protein 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.

# Immunogen information

Gene ID:

142

Uniprot

P09874

#### Synonyms:

ADPRT; ADPRT 1; ADPRT1; ARTD1; PARP; PARP-1; PPOL; pADPRT-1; PARP1; Cleaved PARP; PARP1

# **Antibody Information**

## **Recommended dilutions:**

WB 1:1000 - 1:3000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200

Source:

Rabbit

### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 81-390 of human PARP1 (NP\_001609.2).

#### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 50% glycerol, pH7.3.

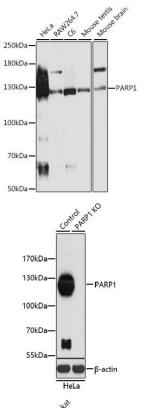
# Isotype:

lgG

#### **Purification:**

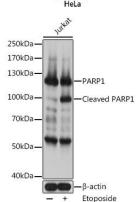
Affinity purification

## **Product Images**

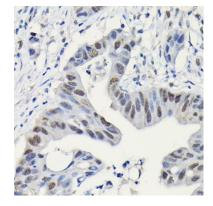


Western blot analysis of extracts of various cell lines, using PARP1 antibody (CAB0942) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.

Western blot analysis of extracts from normal (control) and PARP1 knockout (KO) HeLa cells, using PARP1 antibody (CAB0942) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Western blot analysis of extracts of Jurkat cells, using PARP1 antibody (CAB0942) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunohistochemistry of paraffin-embedded human colon carcinoma using [KO Validated] PARP1 Rabbit pAb (CAB0942) at dilution of 1:200 (40x lens).