

PARP1 Rabbit pAb

Catalog No.: A0010 **1 Publications**

Basic Information

Catalog No.

A0010

Observed MW

116kDa

Calculated MW

113kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:1000 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

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	Swiss Prot
142	P09874

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 150-250 of human PARP1 (NP_001609.2).

Synonyms

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

Product Information

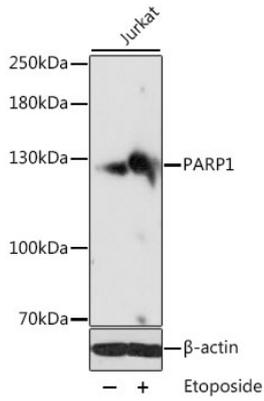
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

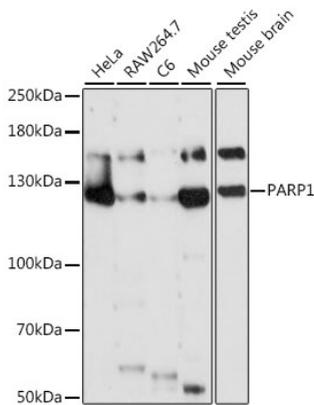
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

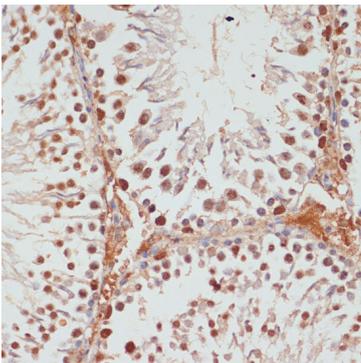
Validation Data



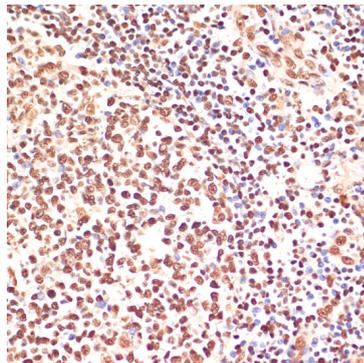
Western blot analysis of extracts of various cell lines, using PARP1 antibody (A0010) at 1:1000 dilution. Jurkat cells were treated by Etoposide (25 μ M) at 37°C for 5 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



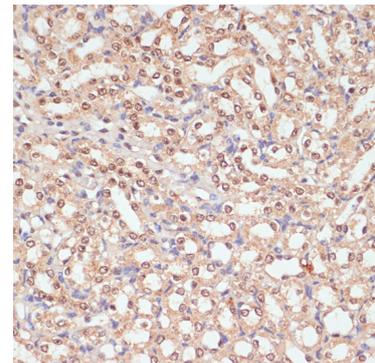
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Immunohistochemistry of paraffin-embedded rat testis using PARP1 antibody (A0010) at dilution of 1:100 (40x lens).

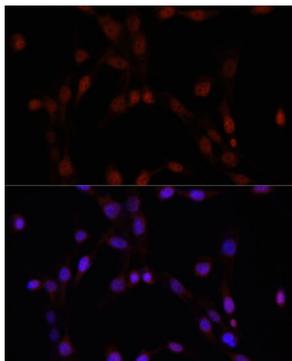


Immunohistochemistry of paraffin-embedded human tonsil using PARP1 antibody (A0010) at dilution of 1:100 (40x lens).

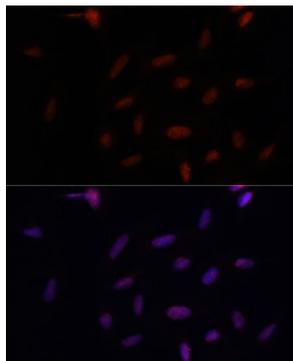


Immunohistochemistry of paraffin-embedded mouse kidney using PARP1 antibody (A0010) at dilution of 1:100 (40x lens).

Validation Data



Immunofluorescence analysis of NIH/3T3 cells using PARP1 antibody (A0010) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using PARP1 antibody (A0010) at dilution of 1:100. Blue: DAPI for nuclear staining.