PARP1 Polyclonal Antibody

Catalog No: #27246

Package Size: #27246-1 50ul #27246-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PARP1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human PARP1 (NP_001609.2).
Conjugates	Unconjugated
Other Names	PARP1; ADPRT; ADPRT 1; ADPRT1; ARTD1; PARP; PARP-1; PPOL; pADPRT-1; poly(ADP-ribose) polymerase 1
Accession No.	Swiss-Prot#:P09874NCBI Gene ID:142
Calculated MW	89kDa, 116kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

WB□1:1000 - 1:3000

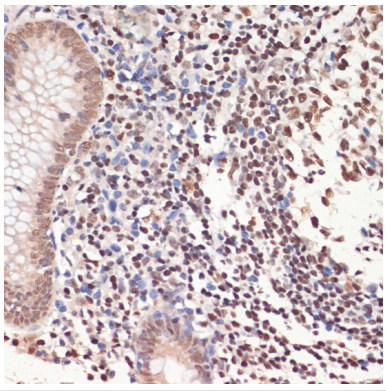
IHC□1:50 - 1:200

IF□1:50 - 1:200

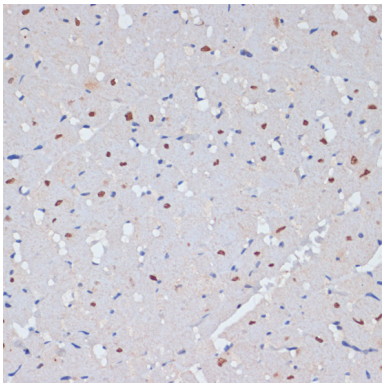
IP□1:50 - 1:200

ChIP□1:50 - 1:200

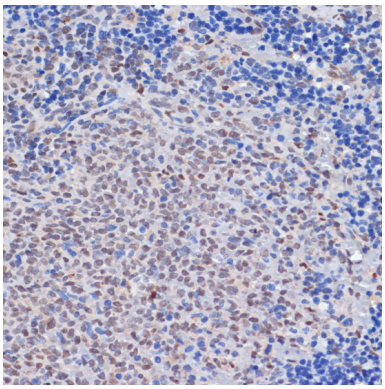
Images



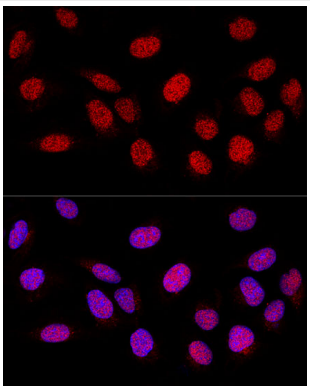
Immunohistochemistry of paraffin-embedded human appendix using PARP1 antibody at dilution of 1:200 (40x lens).



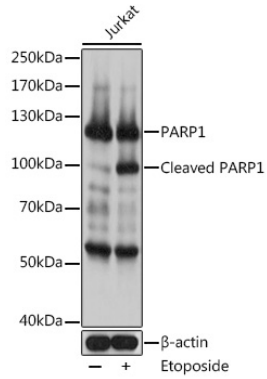
Immunohistochemistry of paraffin-embedded rat heart using PARP1 antibody at dilution of 1:200 (40x lens).



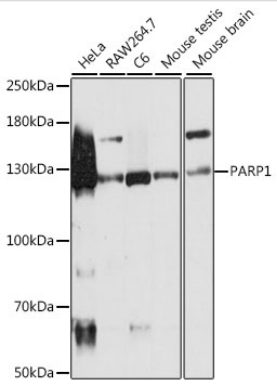
Immunohistochemistry of paraffin-embedded rat spleen using PARP1 antibody at dilution of 1:200 (40x lens).



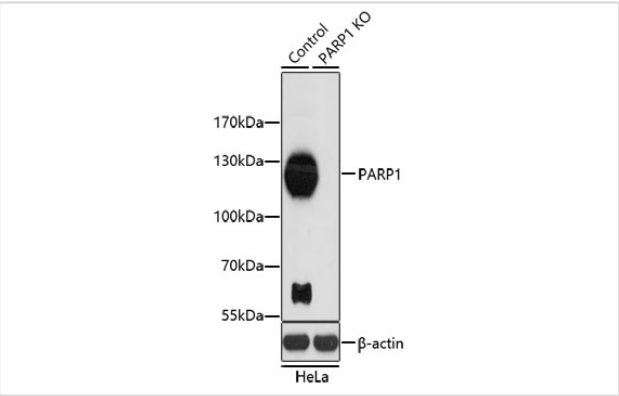
Confocal immunofluorescence analysis of U-2 OS cells using PARP1 Polyclonal antibody at dilution of 1:200. Blue: DAPI for nuclear staining.



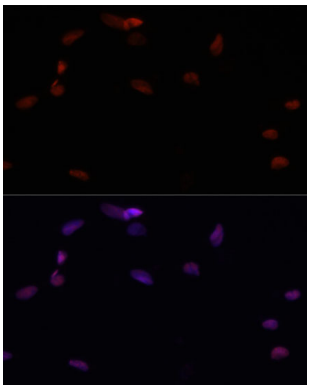
Western blot analysis of extracts of Jurkat cells, using PARP1 antibody at 1:1000 dilution.



Western blot analysis of extracts of various cell lines, using PARP1 antibody at 1:500 dilution.



Western blot analysis of extracts from normal (control) and PARP1 knockout (KO) HeLa cells, using PARP1 antibody at 1:1000 dilution.



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

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.

Published Papers

el at., CD155 Cooperates with PD-1/PD-L1 to Promote Proliferation of Esophageal Squamous Cancer Cells via PI3K/Akt and MAPK Signaling Pathways. In Cancers (Basel) on 2022 Nov 15 by Xiyang Tan, Jie Yang, et al..PMID:36428703, , (2022)

PMID:36428703

Note: This product is for in vitro research use only and is not intended for use in humans or animals.