# antibodies - online.com







# anti-PARP1 antibody (AA 183-214)



### **Images**



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Background:

Overview	
Quantity:	0.4 mL
Target:	PARP1
Binding Specificity:	AA 183-214
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PARP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF)
Product Details	
Immunogen:	A portion of amino acids 183-214 from the human protein was used as the immunogen for this PARP antibody.
Isotype:	lg Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Purified
Target Details	
Target:	PARP1
Alternative Name:	PARP (PARP1 Products)

PARP is a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various

### **Target Details**

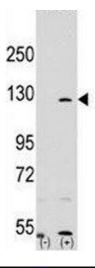
	nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and is
	involved in the regulation of various important cellular processes such as differentiation,
	proliferation, and tumor transformation and also in the regulation of the molecular events
	involved in the recovery of 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.
UniProt:	P09874
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, DNA Damage Repair, Production of Molecular
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#### **Application Details**

Application Notes:	Titration of the PARP antibody may be required due to differences in protocols and	
	secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50,Flow	
	Cytometry: 1:10-1:50	
Restrictions:	For Research Use only	

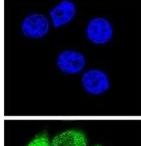
## Handling

Format:	Liquid
Buffer:	In 1X PBS pH 7.4 with 0.09 % sodium azide
Preservative:	Sodium azide
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:	Aliquot the PARP antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



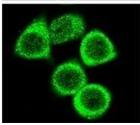
#### **Western Blotting**

**Image 1.** Western blot analysis of PARP antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transfected with the PARP1 gene (2).



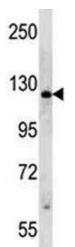
#### **Immunofluorescence**

**Image 2.** Confocal immunofluorescent analysis of PARP antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



## Western Blotting

Image 3. PARP antibody western blot analysis in HeLa lysate



Please check the product details page for more images. Overall 6 images are available for ABIN3032164.