For Research Use Only

## PARP1 Polyclonal antibody

Catalog Number:13371-1-AP

Featured Product 683 Publications

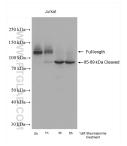


Basic Information	Catalog Number: 13371-1-AP	GenBank Accession BC037545	Number:	Purification Method: Antigen affinity purification	
	Concentration:	Concentration: GeneID (NCBI):		Recommended Dilutions:	
	500 ug/ml	142		WB 1:1000-1:8000	
	Source:	Source: UNIPROT ID:   Rabbit P09874   Isotype: Full Name:   IgG poly (ADP-ribose) polymerase 1		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF-P 1:50-1:500 IF/ICC 1:50-1:500	
	Immunogen Catalog Number: AG4193	Calculated MW: 1014 aa, 113 kDa Observed MW: 113-116 kDa, 89 kDa			
Applications	Tested Applications: Positive Co		ntrols:		
	WB, IHC, IF/ICC, IF-P, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, ChIP Species Specificity: human, mouse, rat		WB : HeLa cells, Jurkat cells, C6 cells, Fas antibody treated HeLa cells, Cobalt Chloride treated HeLa cel THP-1 cells		
				IP : K-562 cells,	
			IHC : mouse colon tissue, human breast cancer tissue		
	Cited Species: human, mouse, rat, pig, canine, monkey, chicken, bovine, sheep, fungus		human lung cancer tissue, mouse testis tissue		
			IF-P : mouse testis tissue,		
	TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
		l with citrate			
Background Informatior	buffer pH 6.0 PARP1 (poly(ADP-ribose) polymer proteins in vivo. The normal funct the PARP1 is cleaved into an 85 to caspases during the apoptotic pro- biomarker of apoptosis. In additio metalloproteinases (MMPs) have	rase 1) is a nuclear enzyn ion of PARP1 is the routir 0 89-kDa COOH-terminal cess. The appearance of F on to caspases, other proto also been reported to cle ited against the C-termin	ne repair of DN/ fragment and a PARP fragments eases like calp ave PARP1 and	a 24-kDa NH2-terminal peptide by s is commonly considered as an importar ains, cathepsins, granzymes and matrix	
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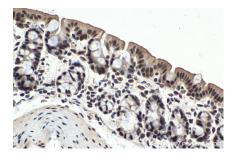
For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

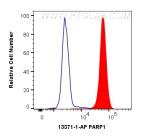
## Selected Validation Data



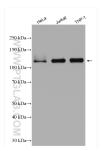
Jurkat cells (25  $\,\mu$  g/lane) were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



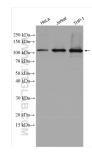
Immunohistochemical analysis of paraffinembedded mouse colon tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



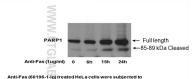
1X10^6 K-562 cells were intracellularly stained with 0.4 ug Anti-Human PARP1 (13371-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Various lysates were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.

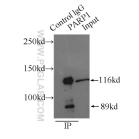


Various lysates were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

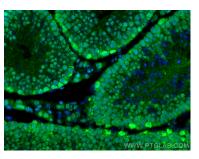


SDS PAGE followed by western blot with 13371-1-AP (PARP1 Antibody) at dilution of 1:1000.

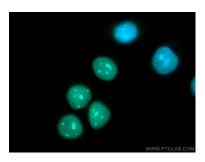
Anti-Fas treated HeLa cells were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 Antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



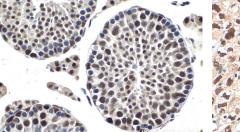
IP result of anti-PARP1 (IP:13371-1-AP, 4ug; Detection:13371-1-AP 1:600) with K-562 cells lysate 5000ug.

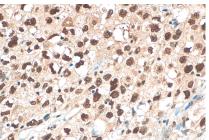


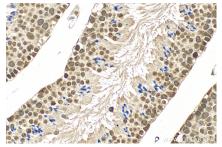
Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PARP1 antibody (13371-1-AP) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using PARP1 antibody (13371-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

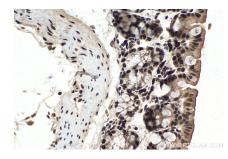




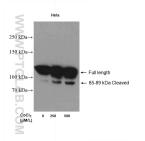


Immunohistochemical analysis of paraffinembedded mouse testis tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

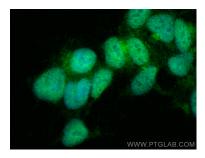
Immunohistochemical analysis of paraffinembedded mouse testis tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse colon tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using PARP1 antibody (13371-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).