## For Research Use Only

## PARP1 Polyclonal antibody

Catalog Number:13371-1-AP



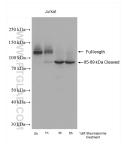


	Catalog Number: 13371-1-AP	GenBank Accession BC037545	number:	Purification Method: Antigen affinity purification
	Concentration:	Concentration:GeneID (NCBI):N0 ug/ml142Nurce:UNIPROT ID:NbbitP09874		Recommended Dilutions: WB: 1:1000-1:8000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:1000-1:4000
	500 ug/ml			
	Source:			
	Rabbit			
	Isotype: Full Name: IgG poly (ADP-ribose) polym		olymerase 1	IF-P: 1:50-1:500
	Immunogen Catalog Number:	Calculated MW:	otymerase 1	IF/ICC: 1:50-1:500 FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension
	AG4193	1014 aa, 113 kDa		
		Observed MW: 113-116 kDa, 89 kDa		
Applications	WB, IHC, IF/ICC, IF-P, FC (Intra), IP, ELISA WB : HeLa Cited Applications: treated H		Positive Co	ntrols:
			WB : HeLa cells, Jurkat cells, C6 cells, Fas antibody treated HeLa cells, Cobalt Chloride treated HeLa cell THP-1 cells	
	human, mouse, rat		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,	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		IF/ICC : HEK-293 cells, MCF-7 cells	
			FC (Intra) : K-562 cells,	
Background Informatior	PARP1 (poly(ADP-ribose) polyme 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	tion of PARP1 is the rout 989-kDa COOH-termina cess. The appearance of on to caspases, other prof also been reported to cle ted against the C-termin	ne repair of DNA l fragment and a PARP fragments eases like calpa eave PARP1 and	24-kDa NH2-terminal peptide by
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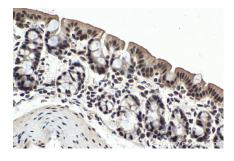
For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

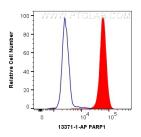
## Selected Validation Data



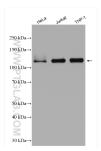
Jurkat cells (25  $\,\mu$  g/lane) were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



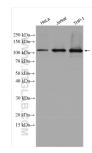
Immunohistochemical analysis of paraffinembedded mouse colon tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



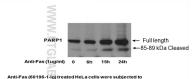
1X10^6 K-562 cells were intracellularly stained with 0.4 ug Anti-Human PARP1 (13371-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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.

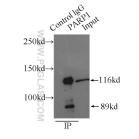


Various lysates were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

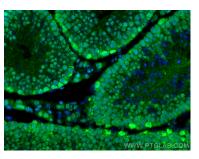


SDS PAGE followed by western blot with 13371-1-AP (PARP1 Antibody) at dilution of 1:1000.

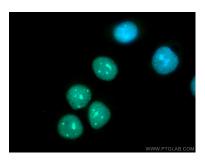
Anti-Fas treated HeLa cells were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 Antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



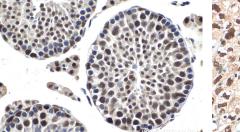
IP result of anti-PARP1 (IP:13371-1-AP, 4ug; Detection:13371-1-AP 1:600) with K-562 cells lysate 5000ug.

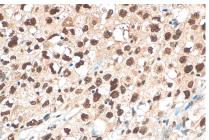


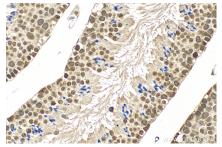
Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PARP1 antibody (13371-1-AP) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).

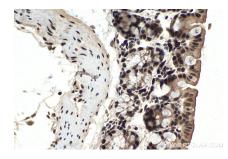




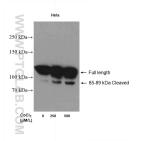


Immunohistochemical analysis of paraffinembedded mouse testis tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 13371-1-AP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

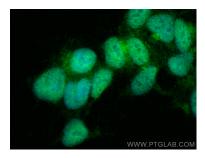
Immunohistochemical analysis of paraffinembedded mouse testis tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).