For Research Use Only

## CDK1 Polyclonal antibody Catalog Number:19532-1-AP Featured Product

220 Publications

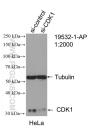


Basic Information	Catalog Number: 19532-1-AP	GenBank Accession Number: NM_001786		Purification Meth Antigen affinity	
	Size: 150ul, Concentration: 550 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GenelD (NCBI): 983 UNIPROT ID: P06493 Full Name: cell division cycle 2 M Calculated MW: 34 kDa Observed MW:	, G1 to S and G2 to	protein lysate IHC 1:100-1:400 IF/ICC 1:200-1:80	00 1.0-3.0 mg of total
		30-34 kDa			
Applications	Tested Applications:	Positive Controls:			
	WB, IHC, IF/ICC, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF		WB : A431 cells, HeLa cells, HEK-293 cells, COS-7 cell HepG2 cells, C2C12 cells, C6 cells, Jurkat cells, NIH/3T3 cells, Neuro-2a cells, MCF-7 cells		
	Species Specificity:	IP : HeLa cells, HEK-293 cells			
	human, mouse, rat, monkey		IHC : human cervical cancer tissue, mouse liver tissue		
	Cited Species: human, mouse, rat, pig, chicken, sheep		rat liver tissue IF/ICC : HeLa cells,		
	Note-IHC: suggested antigen ( TE buffer pH 9.0; (*) Alternati retrieval may be performed w	vely, antigen		cens,	
	buffer pH 6.0				
Background Information	CDK1, also named as CDC2, belongs CDC2/CDKX subfamily. CDK1 plays a for entry into S-phase and mitosis. Cl known as M-phase promoting factor i cycle. It is a component of the kinase Mitotic cyclins stably associate with alternative splicing with the molecu	a key role in the contro DK1 is a catalytic subu (MPF), which is essent complex that phosph CDK1 and function as	ol of the eukaryot unit of the highly ial for G1/S and C orylates the repe regulatory subun	ic cell cycle. It is r conserved protein 52/M phase transit titive C-terminus	equired in higher cell kinase complex tions of eukaryotic ce of RNA polymerase II
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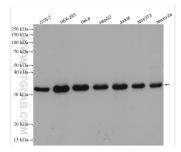
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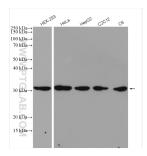
## Selected Validation Data



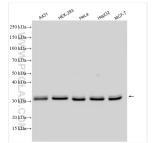
WB result of CDK1-Specific antibody (19532-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CDK1-Specific transfected HeLa cells.



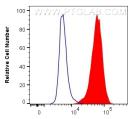
Various lysates were subjected to SDS PAGE followed by western blot with 19532-1-AP (CDK1-Specific antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 19532-1-AP (CDK1-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

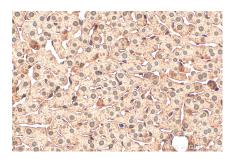


Various lysates were subjected to SDS PAGE followed by western blot with 19532-1-AP (CDK1-Specific antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



19532-1-AP CDK1-Specific,CL488

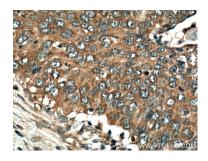
1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human CDK1-Specific (19532-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



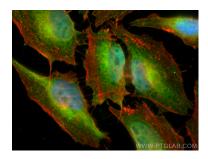
Immunohistochemical analysis of paraffinembedded rat liver tissue slide using 19532-1-AP (CDK1-Specific antibody) at dilution of 1:200 (under 40x (ens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



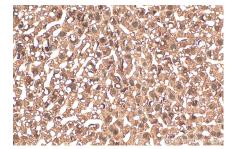
Immunohistochemical analysis of paraffinembedded human cervical cancer tissue slide using 19532-1-AP (CDK1-Specific antibody at dilution of 1:200 (under 10x lens).

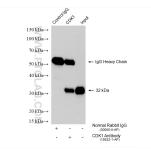


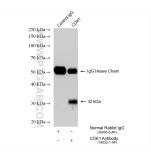
Immunohistochemical analysis of paraffinembedded human cervical cancer tissue slide using 19532-1-AP (CDK1-Specific antibody at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDK1-Specific antibody (19532-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).







Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using 19532-1-AP (CDK1-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

IP result of anti-CDK1-Specific (IP:19532-1-AP, 4ug; Detection:19532-1-AP 1:5000) with HeLa cells lysate 1600 ug. IP result of anti-CDK1-Specific (IP:19532-1-AP, 4ug; Detection:19532-1-AP 1:5000) with HEK-293 cells lysate 1200 ug.