For Research Use Only

CDK3 Polyclonal antibody Catalog Number:55103-1-AP 5 Publications

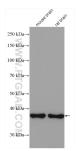
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Basic Information	Catalog Number: 55103-1-AP	GenBank Accession	n Number:	Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI):		Recommended Dilutions:	
	150ul , Concentration: 800 ug/ml by	1018		WB: 1:1000-1:4000	
	Bradford method using BSA as the standard;	Q00526 IF/ICC: 1:200-1 FUIL Name: FC (Intra): 0.25		IHC: 1:100-1:400 IF/ICC: 1:200-1:800 FC (Intra): 0.25 ug per 10^6 cells in a 100 μl suspension	
	Source:				
	Rabbit Isotype: IgG				
		35 kDa			
		Observed MW: 40-45 kDa			
Applications	Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:			
	Cited Applications:		WB : mouse brain tissue, MCF-7 cells, Jurkat cells, ra brain tissue IHC : human breast cancer tissue,		
	WB, IHC				
	Species Specificity: human, mouse, rat		IF/ICC : HeLa cells,		
	Cited Species: human, mouse	FC (Intra) : HeLa cells,			
	TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
	, , ,	vith citrate			
Background Information	buffer pH 6.0 CDK3 belongs to the protein kinase s is probably involved in the control of phosphorylate histone H1. Endogeno	uperfamily, CMGC S f the cell cycle. CDK2 us Cyclin C/Cdk3 co 3 complexes is a key	3 interacts with a mplexes are criti	yet unknown type of cyclin. It can	
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	buffer pH 6.0 CDK3 belongs to the protein kinase s is probably involved in the control of phosphorylate histone H1. Endogeno Rb-dependent manner. Cyclin C/Cdk 15130482)The antibody is specific to Author Pe Wen Zhang 3:	uperfamily, CMGC S f the cell cycle. CDK3 us Cyclin C/Cdk3 co 3 complexes is a key o CDK3. ubmed ID Jo L214853 Pr	3 interacts with a omplexes are criti y regulators of cel ournal	cal to promote exit from quiescence in a Il cycle reentry in human cells. (PMID: Application	
	buffer pH 6.0 CDK3 belongs to the protein kinase sis probably involved in the control of phosphorylate histone H1. Endogeno Rb-dependent manner. Cyclin C/Cdk 15130482)The antibody is specific to Author Pt Wen Zhang 33 Ning Xu 35	uperfamily, CMGC S f the cell cycle. CDK3 us Cyclin C/Cdk3 co 3 complexes is a key o CDK3. ubmed ID Jo 1214853 Pi 5927229 C	3 interacts with a pomplexes are criti y regulators of cel pournal rotein J	yet unknown type of cyclin. It can cal to promote exit from quiescence in a Il cycle reentry in human cells. (PMID: Application WB	
Notable Publications	buffer pH 6.0 CDK3 belongs to the protein kinase s is probably involved in the control of phosphorylate histone H1. Endogeno Rb-dependent manner. Cyclin C/Cdk 15130482)The antibody is specific to Author Pt Wen Zhang 33 Ning Xu 39 Nicholas Kwiatkowski 40 Storage: Storage Buffer: PBS with 0.02% sodium azide and 50	uperfamily, CMGC S f the cell cycle. CDK3 us Cyclin C/Cdk3 co 3 complexes is a key o CDK3. ubmed ID Jo 1214853 Pi 5927229 C 1250405 C ter shipment.	3 interacts with a mplexes are criti y regulators of cel ournal rotein J ell Death Discov	yet unknown type of cyclin. It can cal to promote exit from quiescence in a Il cycle reentry in human cells. (PMID: Application WB WB	
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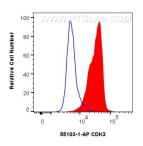
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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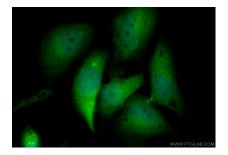
Selected Validation Data



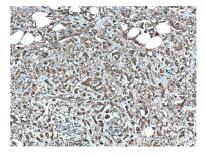
Various lysates were subjected to SDS PAGE followed by western blot with 55103-1-AP (CDK3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



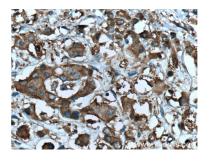
1x10^6 HeLa cells were intracellularly stained with 0.25 ug CDK3 Polyclonal antibody (55103-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDK3 antibody (55103-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 55103-1-AP (CDK3 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 55103-1-AP (CDK3 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).