For Research Use Only

## P27; KIP1 Polyclonal antibody

Catalog Number:26714-1-AP

Featured Product

3 Publications

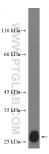
Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 26714-1-AP	GenBank Accession Number: BC001971	Purification Method: Antigen affinity purification	
	Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 767 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI):	Recommended Dilutions:	
			WB 1:2000-1:8000 IHC 1:50-1:500	
		P46527	IF/ICC 1:50-1:500	
	Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG25083	Full Name:		
		cyclin-dependent kinase inhibitor 1B (p27, Kip1)		
		Calculated MW:		
		198 aa, 22 kDa		
		Observed MW: 27 kDa		
Applications	Tested Applications: Positiv WB, IHC, IF/ICC, FC (Intra), ELISA WB - NI		ive Controls:	
	Cited Applications:		WB: NIH/3T3 cells, MCF-7 cells, HeLa cells IHC : human gliomas tissue, human tonsillitis tissue, human lung cancer tissue, human breast cancer tissue human colon cancer tissue, human ovary tumor tissue	
	WB Species Specificity:	huma		
	human, mouse	IF/IC	CC : HepG2 cells, MCF-7 cells	
	Cited Species: human, mouse			
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ			
	retrieval may be performed w buffer pH 6.0	ith citrate		
Background Information	buffer pH 6.0 CDKN1B, also named as P27 or KIP1, i CDK inhibitor CDKN1A/p21. P27 bind and thus controlling cell cycle progre dependent phosphorylation and subs from quiescence to the proliferative s	s a cyclin-dependent kinase ir s to and prevents the activatio ssion at G1. The degradation o equent ubiquitination by SCF tate. Downregulation of P27 h	of this protein, which is triggered by its CDK complexes, is required for the cellular transition has been implicated in the progression of severa	
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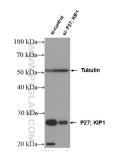
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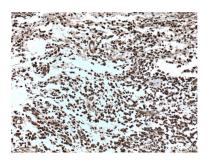
## Selected Validation Data



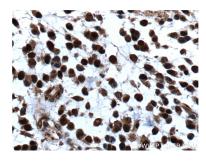
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 26714-1-AP (P27; KIP1 Antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



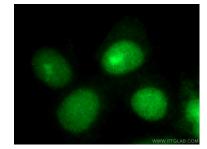
WB result of P27; KIP1 antibody (26714-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P27; KIP1 transfected HeLa cells.



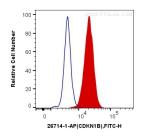
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 26714-1-AP (P27; KIP1 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



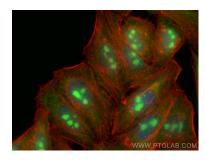
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 26714-1-AP (P27; KIP1 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using 26714-1-AP (P27; KIP1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



1X10^6 MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human P27; KIP1 (26714-1-AP) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using P27; KIP1 antibody (26714-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594phalloidin (red).