For Research Use Only

P27; KIP1 Polyclonal antibody

Catalog Number:26714-1-AP

Featured Product

3 Publications

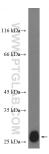
Antibodies | ELISA kits | Proteins www.ptglab.com

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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Notable Publications	buffer pH 6.0 CDKN1B, also named as P27 or KIP1, i CDK inhibitor CDKN1A/p21. P27 bind and thus controlling cell cycle progred dependent phosphorylation and subsition from quiescence to the proliferative simalignancies, including lung cancer, gastric cancer. Author Put Wei Jia 295 Wei Zhang 332	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 hepatocellular carcinoma, sal omed ID Journal i68859 Int J Oncol 169376 Biosci Rep 398030 iScience	on of cyclin E-CDK2 or cyclin D-CDK4 complexes of this protein, which is triggered by its CDK complexes, is required for the cellular transitio has been implicated in the progression of severa ivary cancer, oral squamous cell carcinomas, ar Application WB WB	
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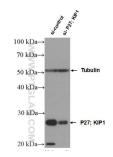
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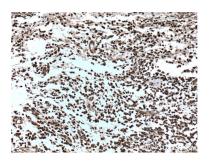
Selected Validation Data



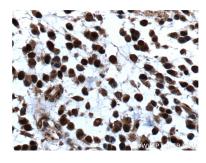
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 26714-1-AP (P27; KIP1 Antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



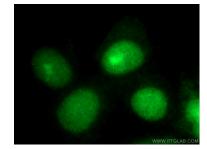
WB result of P27; KIP1 antibody (26714-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P27; KIP1 transfected HeLa cells.



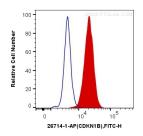
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 26714-1-AP (P27; KIP1 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



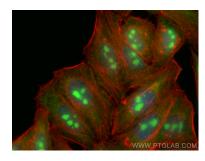
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 26714-1-AP (P27; KIP1 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).