

For Research Use Only

P27; KIP1 Monoclonal antibody

Catalog Number: 67355-1-Ig **3 Publications**



Basic Information

Catalog Number: 67355-1-Ig	GenBank Accession Number: BC001971	Purification Method: Protein G purification
Size: 150ul , Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1027	CloneNo.: 3F12C10
Source: Mouse	UNIPROT ID: P46527	Recommended Dilutions: WB 1:5000-1:10000
Isotype: IgG1	Full Name: cyclin-dependent kinase inhibitor 1B (p27, Kip1)	
Immunogen Catalog Number: AG14634	Calculated MW: 198 aa, 22 kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Cited Applications: WB	WB : Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
Species Specificity: Human, mouse, rat	
Cited Species: human, mouse	

Background Information

DKN1B, also named as P27 or KIP1, is a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. P27 binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controlling cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. Downregulation of P27 has been implicated in the progression of several malignancies, including lung cancer, hepatocellular carcinoma, salivary cancer, oral squamous cell carcinomas, and gastric cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhou	34765572	J Hepatocell Carcinoma	WB
Tongguan Tian	37938970	Cell Rep	WB
Wei Chang	37643584	J Vasc Res	WB

Storage

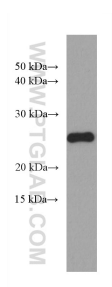
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 67355-1-Ig (P27; KIP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.