For Research Use Only

P27; KIP1 Monoclonal ANTIBODY

Catalog Number:67355-1-Ig

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Basic Information

Catalog Number:
67355-1-Ig

Size:
150UL , Concentration: 1000 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG14634

GenBank Accession Number:
BC001971

GeneID (NCBI):
1027

Full Name:
cyclin-dependent kinase inhibitor 1B (p27, Kip1)

Calculated MW:
198 aa, 22 kDa

Observed MW:
27 kDa

Purification Method:
Protein G purification

CloneNo.:
3F12C10

Recommended Dilutions:
WB 1:5000-1:10000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:

WB : Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

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.

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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
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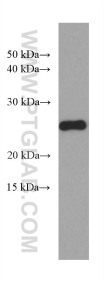
Selected Validation Data



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.