

For Research Use Only

# P27; KIP1 Monoclonal antibody, PBS Only



Catalog Number: 67355-1-PBS

## Basic Information

**Catalog Number:**

67355-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG14634

**GenBank Accession Number:**

BC001971

**GeneID (NCBI):**

1027

**UNIPROT ID:**

P46527

**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

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

Human, mouse, rat

## 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 -80°C.

**Storage Buffer:**

PBS Only

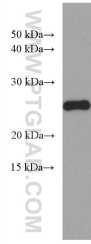
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## Selected Validation Data



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. This data was developed using the same antibody clone with 67355-1-PBS in a different storage buffer formulation.