

## CDKN1B Polyclonal Antibody

Catalog No. E-AB-60071

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

### Description

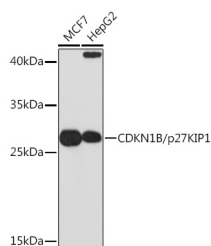
<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant fusion protein of human CDKN1B
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.

### Applications

### Recommended Dilution

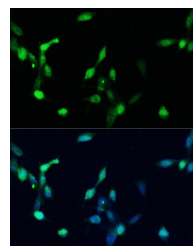
<b>WB</b>	1:500-1:2000
<b>IF</b>	1:20-1:50

### Data

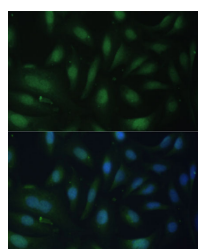


Western blot analysis of extracts of various cell lines using CDKN1B/p27KIP1 Polyclonal Antibody at 1:1000 dilution.

**Observed Mw:27kDa**  
**Calculated Mw:22kDa**



Immunofluorescence analysis of NIH/3T3 cells using p27 KIP 1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using p27 KIP 1 Polyclonal antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

### Preparation & Storage

#### For Research Use Only

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the 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. Mutations in this gene are associated with multiple endocrine neoplasia type IV (MEN4).

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