

## CDKN1B

**Reactivity:** Human Rat

**Tested applications:** WB IHC ICC IP FC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IP 1:20 - 1:50  
FC 1:20 - 1:50

**Calculated MW:** 27kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human CDKN1B

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

q

**Synonym:**

CDKN1B;CDKN4;KIP1;MEN1B;MEN4;P27KIP1;

**Catalog #:** A0026

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 1027

**Isotype:** IgG

**Swiss Prot:** P46527

**Purity:** Affinity purification

For research use only.

**Background:**

p27 Kip1 is a member of the Cip/Kip family of cyclin-dependent kinase inhibitors. Like its relatives, p57 Kip2 and p21 Waf1/Cip1, the ability to enforce the G1 restriction point is derived from its inhibitory binding to CDK2/cyclin E and other CDK/cyclin complexes. Expression levels of p27 are upregulated in quiescent cells and in cells treated with cAMP or other negative cell cycle regulators. Downregulation of p27 can be induced by treatment with interleukin 2 or other mitogens; this involves phosphorylation of p27 and its degradation by the ubiquitin-proteasome pathway (1-4).

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