

## Product Datasheet

# p57 Kip2 Antibody

Catalog No: CY5249

Reactivity: Human, Mouse ,Rat

Isotype: Rabbit IgG

Applications: WB, IHC, ICC/IF, IP



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### Information

**UniProt ID:** P49918

**All Names:** BWCR; BWS; KIP2; WBS; p57; p57 Kip2; WBS ; CDKN1C; Cyclin dependent kinase inhibitor 1C

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 57 kDa

### Application

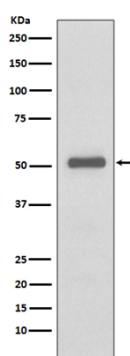
WB: 1:500~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

### 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). p57 Kip2 (Cyclin-dependent kinase inhibitor 1C) functions as a tumor suppressor. Mutations of p57 Kip2 have been associated with numerous human malignancies as well as Beckwith-Wiedemann syndrome (BWS), characterized by an increased risk of childhood cancer.



Western blot analysis on HeLa cell using p57 Kip2 Antibody.

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