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**anti-p57 Kip2**

Cat #: HM1270  
Goat polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Cell cycle progression is regulated by a series of cyclin-dependent kinases that consist of catalytic subunits Cdk, and activating subunits cyclins. Orderly progression through the cell cycle requires the activation and inactivation of different cyclin-Cdk at appropriate times. A series of proteins has been described that function as “mitotic inhibitors.” These include p21, p16, p15, p18 and p19, p27 and p57 Kip2. p57 Kip2 is a potent, tight-binding cyclin-dependent inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Overexpression of p57 arrests cells in G1. Mutations in p57 Kip2 are implicated in sporadic cancers and Beckwith-Wiedemann syndrome suggesting that it is a tumor suppressor candidate.

**SPECIFICITY**

This antibody recognizes p57 Kip2 of human, rat and mouse origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

**IMMUNOGEN**

Full-length recombinant human p57 Kip2 protein.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCE**

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3. Zhang, H., Kobayashi, R., Galaktionov, K., and Beach, D. 1995. p19Sklp1 and p45Sklp2 are essential elements of the cyclin ACDK2 S phase kinase. *Cell* 82: 915-925.
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