

Product Data Sheet

Purified anti-p27Kip1

Catalog # / Size: 602902 / 200 µl (20 Western blots)
Clone: Poly6029
Isotype: Rabbit IgG
Immunogen: Peptide derived from the carboxy terminus of human p27
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: WB - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

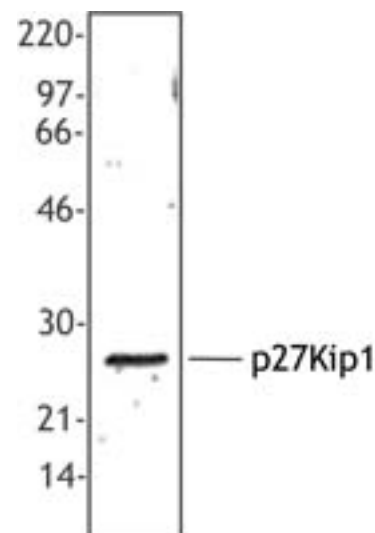
Description: p27Kip1 (cyclin-dependent kinase inhibitor 1B, cyclin-dependent kinase inhibitor p27) is a 27kD cyclin-dependent inhibitor. p27Kip1 is localized in the nucleus and cytoplasm (phospho-specific). This protein functions in G1 arrest and binds and inhibits complexes formed by cyclin E-CDK2, cyclin A-CDK2. p27Kip1 mediates TGF β-induced G1 arrest and regulates cell motility. This kinase has also been implicated in translational control. Akt phosphorylation causes p27 Kip1 export to cytoplasm; p27 Kip1 has also been shown to be ubiquitinated. p27 Kip1 has been shown to interact with NUP50, Skp2, and PKB/Akt. The Poly6029 antibody recognizes the C-terminal region of human p27Kip1 and has been shown to be useful for Western blotting.

Antigen References:

1. Polyak K, *et al.* 1994. *Cell* 78:59.
2. Millard S, *et al.* 2000. *Mol. Cell. Biol.* 20:5947.
3. Viglietto G, *et al.* 2002. *Nat. Med.* 8:1136.
4. McAllister S, *et al.* 2003. *Mol. Cell. Biol.* 23:216.

Related Products:

Product	Clone	Application
Purified anti-Akt	Poly6034	IF, WB
HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB



Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-p27Kip1 antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



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