

# 27Kip1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6269B

## **Product Information**

**Application** WB, IF, E **Primary Accession** P46527 **Other Accession** Q60439 Reactivity Human **Predicted** Hamster Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB07333 165-194 **Antigen Region** 

## **Additional Information**

Other Names Cyclin-dependent kinase inhibitor 1B, Cyclin-dependent kinase inhibitor p27,

p27Kip1, CDKN1B, KIP1

Target/Specificity This 27Kip1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 165-194 amino acids from the

C-terminal region of human 27Kip1.

**Dilution** WB~~1:2000 IF~~1:10~50 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** 27Kip1 Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **Protein Information**

# **Background**

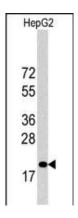
p27Kip1 is a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which 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.

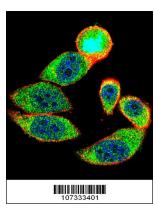
## References

Kawamata, N., et al., Eur. J. Haematol. 74(5):424-429 (2005). Andreu, E.J., et al., Cancer Res. 65(8):3264-3272 (2005). Wingate, H., et al., J. Biol. Chem. 280(15):15148-15157 (2005). Wang, C., et al., J. Biol. Chem. 280(13):12339-12343 (2005). Rassidakis, G.Z., et al., Blood 105(2):827-829 (2005).

# **Images**



Western blot analysis of p27Kip1 Antibody (C-term)(Cat. #6269b) in HepG2 cell line lysates (35ug/lane). 27Kip1(arrow) was detected using the purified Pab.



Confocal immunofluorescent analysis of 27Kip1 Antibody (C-term)(Cat#AP6269b) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.