

Rabbit 27Kip1 Polyclonal Antibody | anti-CDKN1B antibody

27Kip1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289837	Rabbit	Human (Predicted Reactivity: Hamster)	Immunofluorescence, ELISA, Western Blot

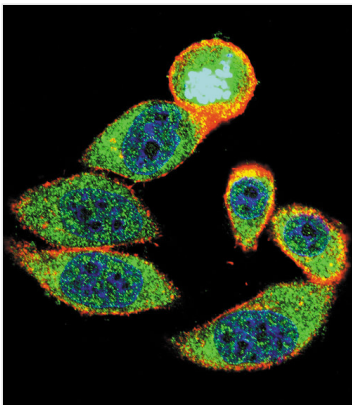
PRODUCT SYNONYMS

27Kip1; Polyclonal Antibody; 27Kip1 Antibody (C-term); Cyclin-dependent kinase inhibitor 1B; Cyclin-dependent kinase inhibitor p27; p27Kip1; CDKN1B; KIP1; anti-CDKN1B antibody

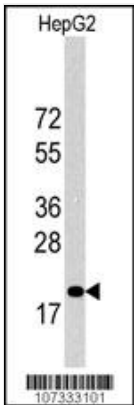
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.42 (varies by lot)
Sequence Positions	165-194
Sequence Length	198
Applicable Applications for anti-CDKN1B antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN1B antibody	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.
Product Categories/Family for anti-CDKN1B antibody	Cancer; Cell biology
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757962
NCBI GeneID	1027
NCBI Accession #	NP_004055.1
NCBI GenBank Nucleotide #	NM_004064.4
UniProt Accession #	P46527; Q16307; Q5U0H2; Q9BUS6
Molecular Weight	22073
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1B
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 1B (p27, Kip1)
NCBI Official Symbol	CDKN1B
NCBI Official Synonym Symbols	KIP1; MEN4; CDKN4; MEN1B; P27KIP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 1B
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1B
UniProt Gene Name	CDKN1B

UniProt Synonym Gene Names	KIP1
UniProt Entry Name	CDN1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/27kip1-antibody-immunofluorescence-western-blot-elisa/289837>