

**CDKN3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20057A**

**Specification**

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**CDKN3 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q16667</a>
Other Accession	<a href="#">NP_005183.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23805
Antigen Region	39-68

**CDKN3 Antibody (N-term) - Additional Information**

**Gene ID** 1033

**Other Names**

Cyclin-dependent kinase inhibitor 3, CDK2-associated dual-specificity phosphatase, Cyclin-dependent kinase interactor 1, Cyclin-dependent kinase-interacting protein 2, Kinase-associated phosphatase, CDKN3, CDI1, CIP2, KAP

**Target/Specificity**

This CDKN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-68 amino acids from the N-terminal region of human CDKN3.

**Dilution**

WB~~1:1000

**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**

CDKN3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CDKN3 Antibody (N-term) - Protein Information**

**Name** CDKN3 ([HGNC:1791](#))

**Synonyms** CDI1, CIP2, KAP

**Function** May play a role in cell cycle regulation. Dual specificity CC phosphatase active toward substrates containing either phosphotyrosine or phosphoserine residues (PubMed:[8127873](#), PubMed:[8242750](#)). Dephosphorylates CDK2 at 'Thr-160' in a cyclin-dependent manner (PubMed:[7569954](#)).

**Cellular Location**

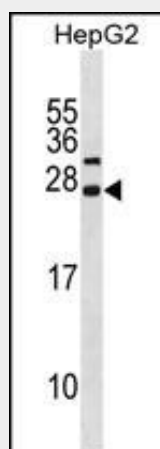
Cytoplasm, perinuclear region

**CDKN3 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CDKN3 Antibody (N-term) - Images**



CDKN3 Antibody (N-term) (Cat. #AP20057a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CDKN3 antibody detected the CDKN3 protein (arrow).

**CDKN3 Antibody (N-term) - Background**

The protein encoded by this gene belongs to the dual specificity protein phosphatase family. It was identified as a cyclin-dependent kinase inhibitor, and has been shown to interact with, and dephosphorylate CDK2 kinase, thus prevent the activation of CDK2 kinase. This gene was reported to be deleted, mutated, or overexpressed in several kinds of cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**CDKN3 Antibody (N-term) - References**

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)  
Jiang, R., et al. Int. J. Cancer 126(5):1263-1274(2010)  
Okamoto, K., et al. Biochem. Biophys. Res. Commun. 351(1):216-222(2006)  
Hsieh, M.J., et al. Biochem. Biophys. Res. Commun. 349(2):573-581(2006)  
Chinami, M., et al. J. Biol. Chem. 280(17):17235-17242(2005)