

CDKN3 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7528b

Specification

CDKN3 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q16667
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	183-212

CDKN3 Antibody (C-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 183-212 amino acids from the C-terminal region of human CDKN3.

Dilution

WB~~1:2000
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

CDKN3 Antibody (C-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

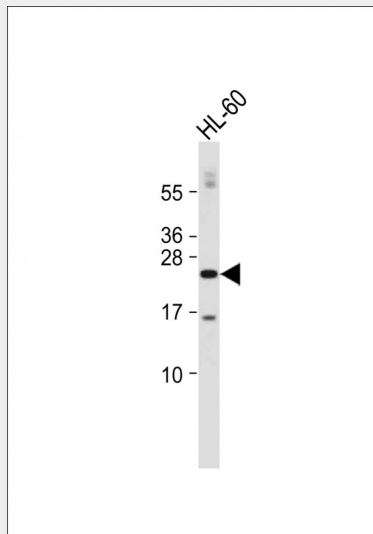
Cytoplasm, perinuclear region

CDKN3 Antibody (C-term) - Protocols

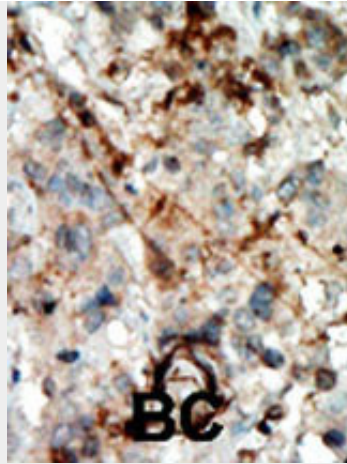
Provided below are standard protocols that you may find useful for product applications.

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

CDKN3 Antibody (C-term) - Images



Anti-hCDKN3-A198 at 1:2000 dilution + HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

CDKN3 Antibody (C-term) - Background

CDKN3 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. The gene was reported to be deleted, mutated, or overexpressed in several kinds of cancers.

CDKN3 Antibody (C-term) - References

- Yeh, C.T., et al., *Biochem. Biophys. Res. Commun.* 305(2):311-314 (2003).
- Yeh, C.T., et al., *Cancer Res.* 60(17):4697-4700 (2000).
- Lee, S.W., et al., *Mol. Cell. Biol.* 20(5):1723-1732 (2000).
- Poon, R.Y., et al., *Science* 270(5233):90-93 (1995).
- Hannon, G.J., et al., *Proc. Natl. Acad. Sci. U.S.A.* 91(5):1731-1735 (1994).