

CDKN3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7528b**Specification**

CDKN3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q16667](#)**CDKN3 Antibody (C-term) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP7528b](/product/products/AP7528b) was selected from the C-term region of human CDKN3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CDKN3 Antibody (C-term) Blocking Peptide - 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](http://www.uniprot.org/citations/8127873), PubMed:[8242750](http://www.uniprot.org/citations/8242750)). Dephosphorylates CDK2 at 'Thr-160' in a cyclin-dependent manner (PubMed:[7569954](http://www.uniprot.org/citations/7569954)).

Cellular Location

Cytoplasm, perinuclear region

CDKN3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDKN3 Antibody (C-term) Blocking Peptide - Images

CDKN3 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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).