

**Mouse Cdk3 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13803b****Specification**

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**Mouse Cdk3 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q80YP0](#)

**Mouse Cdk3 Antibody (C-term) Blocking peptide - Additional Information****Other Names**

Cyclin-dependent kinase 3, Cell division protein kinase 3, Cdk3, Cdk3-ps, Cdkn3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13803b was selected from the C-term region of Mouse Cdk3. 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.

**Mouse Cdk3 Antibody (C-term) Blocking peptide - Protein Information**

**Name** Cdk3

**Synonyms** Cdk3-ps, Cdkn3

**Function**

Serine/threonine-protein kinase that plays a critical role in the control of the eukaryotic cell cycle; involved in G0-G1 and G1-S cell cycle transitions. Interacts with CCNC/cyclin-C during interphase. Phosphorylates histone H1, ATF1, RB1 and CABLES1. ATF1 phosphorylation triggers ATF1 transactivation and transcriptional activities, and promotes cell proliferation and transformation. CDK3/cyclin-C mediated RB1 phosphorylation is required for G0-G1 transition. Promotes G1-S transition probably by contributing to the activation of E2F1, E2F2 and E2F3 in a RB1-independent manner.

**Mouse Cdk3 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Mouse Cdk3 Antibody (C-term) Blocking peptide - Images****Mouse Cdk3 Antibody (C-term) Blocking peptide - Background**

Probably involved in the control of the cell cycle. Interacts with a yet unknown type of cyclin. Can phosphorylate histone H1 (By similarity).