

CDC25C Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7862b**Specification**

CDC25C Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P30307](#)**CDC25C Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 995**Other Names**

M-phase inducer phosphatase 3, Dual specificity phosphatase Cdc25C, CDC25C

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7862b](/products/AP7862b) was selected from the C-term region of human CDC25C. 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.

CDC25C Antibody (C-term) Blocking Peptide - Protein Information**Name** CDC25C**Function**

Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle (PubMed: [8119945](http://www.uniprot.org/citations/8119945)). When phosphorylated, highly effective in activating G2 cells into prophase (PubMed: [8119945](http://www.uniprot.org/citations/8119945)). Directly dephosphorylates CDK1 and activates its kinase activity (PubMed: [8119945](http://www.uniprot.org/citations/8119945)).

Cellular Location

Nucleus

CDC25C Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDC25C Antibody (C-term) Blocking Peptide - Images

CDC25C Antibody (C-term) Blocking Peptide - Background

CDC25C is a tyrosine phosphatase and belongs to the Cdc25 phosphatase family. It directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It is also thought to suppress p53-induced growth arrest.

CDC25C Antibody (C-term) Blocking Peptide - References

Varmeh,S., Mol. Cancer Ther. 7 (12), 3789-3799 (2008)Long,J.M., Cell Cycle 7 (19), 3062-3073 (2008)Bonnet,J., Cell Cycle 7 (13), 1991-1998 (2008)