

**CDC25C Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7862d****Specification**

---

**CDC25C Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P30307](#)

**CDC25C Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 995

**Other Names**

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

**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 (Center) 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:<a href="http://www.uniprot.org/citations/8119945" target="\_blank">8119945</a>). When phosphorylated, highly effective in activating G2 cells into prophase (PubMed:<a href="http://www.uniprot.org/citations/8119945" target="\_blank">8119945</a>). Directly dephosphorylates CDK1 and activates its kinase activity (PubMed:<a href="http://www.uniprot.org/citations/8119945" target="\_blank">8119945</a>).

**Cellular Location**

Nucleus

**CDC25C Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CDC25C Antibody (Center) Blocking Peptide - Images****CDC25C Antibody (Center) 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 (Center) 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)