

CDC7 (CDC7L1) Antibody (C-term) Blocking peptideSynthetic peptide
Catalog # BP7515b**Specification****CDC7 (CDC7L1) Antibody (C-term) Blocking peptide - Product Information**Primary Accession [O00311](#)**CDC7 (CDC7L1) Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 8317

Other NamesCell division cycle 7-related protein kinase,
CDC7-related kinase, HsCdc7, huCdc7,
CDC7, CDC7L1**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7515b](/product/products/AP7515b) was selected from the C-term region of human CDC7L1. 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.

CDC7 (CDC7L1) Antibody (C-term) Blocking peptide - Protein Information

Name CDC7

CDC7 (CDC7L1) Antibody (C-term) Blocking peptide - Background

CDC7L1 is predominantly localized in the nucleus and is a cell division cycle protein with kinase activity. Although expression levels of the protein appear to be constant throughout the cell cycle, the protein kinase activity appears to increase during S phase. It has been suggested that the protein is essential for initiation of DNA replication and that it plays a role in regulating cell cycle progression. Overexpression of this gene product may be associated with neoplastic transformation for some tumors.

CDC7 (CDC7L1) Antibody (C-term) Blocking peptide - References

Montagnoli, A., et al., EMBO J. 21(12):3171-3181 (2002). Hess, G.F., et al., Gene 211(1):133-140 (1998). Jiang, W., et al., Proc. Natl. Acad. Sci. U.S.A. 94(26):14320-14325 (1997). Sato, N., et al., EMBO J. 16(14):4340-4351 (1997).

Synonyms CDC7L1**Function**

Seems to phosphorylate critical substrates that regulate the G1/S phase transition and/or DNA replication. Can phosphorylate MCM2 and MCM3.

Cellular Location

Nucleus.

CDC7 (CDC7L1) Antibody (C-term)**Blocking peptide - Protocols**

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

- [Blocking Peptides](#)