

**CDCA4 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16652b****Specification**

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**CDCA4 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9BXL8](#)**CDCA4 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 55038**Other Names**

Cell division cycle-associated protein 4, Hematopoietic progenitor protein, CDCA4, HEPP

**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.

**CDCA4 Antibody (C-term) Blocking Peptide - Protein Information****Name** CDCA4**Synonyms** HEPP**Function**

May participate in the regulation of cell proliferation through the E2F/RB pathway. May be involved in molecular regulation of hematopoietic stem cells and progenitor cell lineage commitment and differentiation (By similarity).

**Cellular Location**

Nucleus.

**Tissue Location**

Highest levels of expression in the pancreas, thymus, testis, spleen, liver, placenta and leukocytes. Relatively low levels in the lung, kidney, prostate, ovary, small intestine and colon. Hardly detectable, if at all, in the brain, skeletal muscle and heart.

**CDCA4 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CDCA4 Antibody (C-term) Blocking Peptide - Images**

#### **CDCA4 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a protein that belongs to the E2F family of transcription factors. This protein regulates E2F-dependent transcriptional activation and cell proliferation, mainly through the E2F/retinoblastoma protein pathway. It also functions in the regulation of JUN oncogene expression. This protein shows distinctive nuclear-mitotic apparatus distribution, it is involved in spindle organization from prometaphase, and may also play a role as a midzone factor involved in chromosome segregation or cytokinesis. Two alternatively spliced transcript variants encoding the same protein have been noted for this gene. Two pseudogenes have also been identified on chromosome 1.

#### **CDCA4 Antibody (C-term) Blocking Peptide - References**

Tategu, M., et al. Biochimie 90(10):1515-1522(2008) Wang, L., et al. Cell Motil. Cytoskeleton 65(7):581-593(2008) Hayashi, R., et al. J. Biol. Chem. 281(47):35633-35648(2006) Walker, M.G. Curr Cancer Drug Targets 1(1):73-83(2001) Abdullah, J.M., et al. Blood Cells Mol. Dis. 27(3):667-676(2001)