

**CDCA8 Antibody (N-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP12760a

**Specification**

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**CDCA8 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [Q53HL2](#)

**CDCA8 Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 55143

**Other Names**

Borealin, Cell division cycle-associated protein 8, Dasra-B, hDasra-B, Pluripotent embryonic stem cell-related gene 3 protein, CDCA8, PESCRG3

**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.

**CDCA8 Antibody (N-term) Blocking peptide - Protein Information**

Name CDCA8

Synonyms PESCRG3

**Function**

Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment.

**Cellular Location**

Nucleus, nucleolus. Cytoplasm. Cytoplasm, cytoskeleton, spindle. Chromosome, centromere. Note=Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis. Colocalizes with SENP3 in the nucleolus in interphase cells

**CDCA8 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CDCA8 Antibody (N-term) Blocking peptide - Images**

#### **CDCA8 Antibody (N-term) Blocking peptide - Background**

CDCA8 is a component of a chromosomal passenger complex required for stability of the bipolar mitotic spindle (Gassmann et al., 2004 [PubMed 15249581]).

#### **CDCA8 Antibody (N-term) Blocking peptide - References**

Bourhis, E., et al. Biochemistry 48(29):6783-6793(2009) Zhang, Q., et al. Mol. Biol. Rep. 36(3):603-609(2009) Klein, U.R., et al. Mol. Biol. Cell 20(1):410-418(2009) Xia, F., et al. Mol. Cell. Biol. 28(17):5299-5311(2008) Jelluma, N., et al. Cell 132(2):233-246(2008)