

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

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)