
CDCA8 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253925

Unit: 0.1 mg

Description:

CDCA8 is a component of a chromosomal passenger complex (CPC) required for stability of the bipolar mitotic spindle. The chromosomal passenger complex, which includes Survivin, CDCA8, INCENP and Aurora-B, is known to play crucial roles during mitosis and cell division. It was found that CDCA8 interacting with Aurora-B, INCENP and Survivin, increases during G2/M phase and then reduces after exit from M phase. CDCA8 is cell cycle regulated, down-regulated in response to p53/Rb-signaling, and up-regulated in many types of cancerous tissues. In *Drosophila* cells, inactivation of CDCA8 results in polyploidy, delayed mitosis and abnormal tissue development, indicating its critical role for cell proliferation. Recent studies show that CDCA8 is essential for cell proliferation during early embryonic development, and its early embryonic lethality cannot be rescued by the loss of p53. Its aberrant expression is linked to a poor prognosis for gastric cancer.

Isotype: Rabbit Ig

Applications: E, WB, IF

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: CDCA8; Cell division cycle associated 8; Borealin; pluripotent embryonic stem cell-related gene 3 protein; DASRAB

Accession No.: NP_060571

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human CDCA8.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IF: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.