

# CDCA5 antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI14270

#### **Product Information**

Application WB Primary Accession Q96FF9

Other Accession <u>NM 080668</u>, <u>NP 542399</u>

**Reactivity Predicted**Human, Mouse, Rabbit, Pig, Dog, Bovine
Human, Mouse, Rabbit, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 27601

#### **Additional Information**

**Gene ID** 113130

Alias Symbol MGC16386, SORORIN

Other Names Sororin, Cell division cycle-associated protein 5, p35, CDCA5

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

**Reconstitution & Storage** Add 50 ul of distilled water. Final anti-CDCA5 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

**Precautions** CDCA5 antibody - middle region is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **Protein Information**

Name CDCA5

**Function** Regulator of sister chromatid cohesion in mitosis stabilizing cohesin

complex association with chromatin. May antagonize the action of WAPL which stimulates cohesin dissociation from chromatin. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and

plays an important role in DNA repair. Required for efficient DNA

double-stranded break repair.

**Cellular Location** Nucleus. Chromosome. Cytoplasm Note=Associates with nuclear chromatin

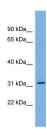
from S phase until metaphase and is released in the cytoplasm upon nuclear

envelope breakdown

### References

Walker M.G., et al. Curr. Cancer Drug Targets 1:73-83(2001).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Rankin S., et al. Mol. Cell 18:185-200(2005).
Rankin S., et al. Mol. Cell 18:609-609(2005).

## **Images**



WB Suggested Anti-CDCA5 Antibody Titration: 0.2-1 µg/ml Positive Control: OVCAR-3 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.