

**Anti-CDCA4 Antibody**  
**Rabbit polyclonal antibody to CDCA4**  
**Catalog # AP60550****Specification**

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**Anti-CDCA4 Antibody - Product Information**

Application	WB, IH, IF
Primary Accession	<a href="#">Q9BXL8</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26114

**Anti-CDCA4 Antibody - Additional Information****Gene ID** 55038**Other Names**

HEPP; Cell division cycle-associated protein 4; Hematopoietic progenitor protein

**Target/Specificity**

Recognizes endogenous levels of CDCA4 protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-CDCA4 Antibody - 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.

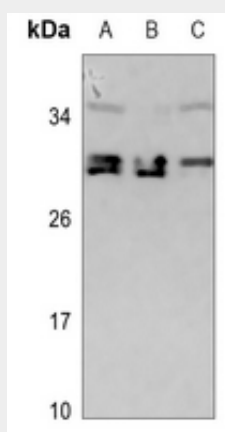
**Tissue Location**

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.

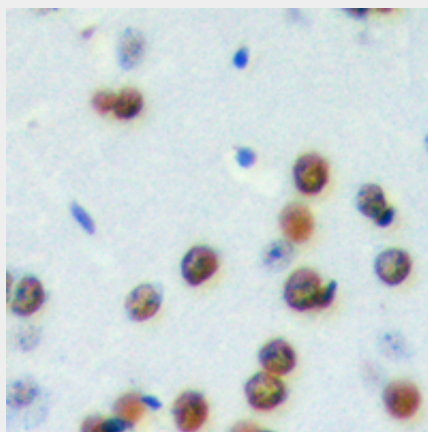
**Anti-CDCA4 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

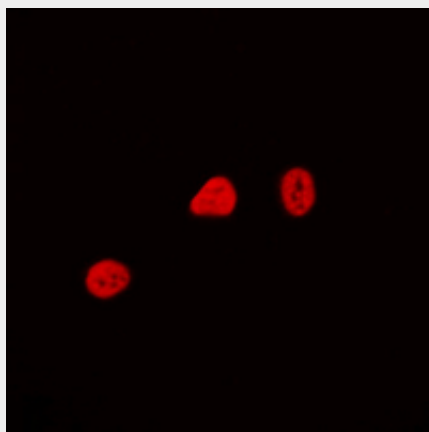
**Anti-CDCA4 Antibody - Images**

Western blot analysis of CDCA4 expression in HEK293T (A), PC3 (B), A549 (C) whole cell lysates.



Immunohistochemical analysis of CDCA4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as

the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CDCA4 staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-CDCA4 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CDCA4. The exact sequence is proprietary.