

CDCA4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58283

Specification

CDCA4 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession <u>Q9BXL8</u>

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Pig, Dog, Bovine
Rabbit
Polyclonal
26 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human CDCA4

Epitope Specificity 21-120/241

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY Contains 1 SERTA domain.

Important Note

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

CDCA4 is a protein that belongs to the E2F family of transcription factors. This protein regulates E2F-dependent transcriptional activation and cell proliferation, mainly through the E2F/retinoblastoma protein pathway. It also functions in the regulaton of JUN oncogene expression. This protein shows distinctive nuclear-mitotic apparatus distribution, it is involved in spindle organization from prometaphase, and may also play a role as a midzone factor involved in chromosome segregation or cytokinesis. Two alternatively spliced transcript variants encoding the same protein have been noted for this gene. Two pseudogenes have also been identified on chromosome 1.

CDCA4 Polyclonal Antibody - Additional Information

Gene ID 55038

Other Names

Cell division cycle-associated protein 4, Hematopoietic progenitor protein, CDCA4, HEPP

Target/Specificity

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.



Dilution

IHC-P~~N/A<br \> IHC-F~~N/A<br \> IF~~1:50~200<br \> E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CDCA4 Polyclonal 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

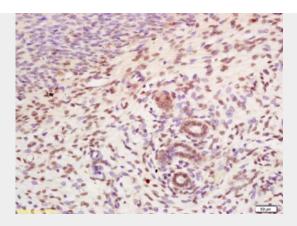
CDCA4 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CDCA4 Polyclonal Antibody - Images





Tissue/cell: rat uterus tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37° C for 20 min;

Incubation: Anti-CDCA4 Polyclonal Antibody, Unconjugated(bs-5113R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining