

## **CdcA7 Polyclonal Antibody**

Catalog No: YT0821

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: CdcA7

Gene Name: CDCA7

**Protein Name:** Cell division cycle-associated protein 7

Q9BWT1

Q9D0M2

Human Gene Id: 83879

**Human Swiss Prot** 

No:

Mouse Gene ld: 66953

**Mouse Swiss Prot** 

No:

**Rat Gene Id:** 311742

Rat Swiss Prot No: Q4KM91

Immunogen: The antiserum was produced against synthesized peptide derived from human

CDCA7. AA range:141-190

**Specificity:** CdcA7 Polyclonal Antibody detects endogenous levels of CdcA7 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 43kD

**Background:** cell division cycle associated 7(CDCA7) Homo sapiens This gene was identified

as a c-Myc responsive gene, and behaves as a direct c-Myc target gene.

Overexpression of this gene is found to enhance the transformation of lymphoblastoid cells, and it complements a transformation-defective Myc Box II mutant, suggesting its involvement in c-Myc-mediated cell transformation. Two alternatively spliced transcript variants encoding distinct isoforms have been

reported. [provided by RefSeg, Jul 2008],

Function: function:Participates in MYC-mediated cell transformation; induces anchorage-

independent growth and clonogenicity in lymphoblastoid cells. Insufficient to induce tumorigenicity when overexpressed but contributes to MYC-mediated tumorigenesis. May play a role as transcriptional regulator.,induction:Activated by MYC and possibly E2F1.,miscellaneous:CDCA7 expression is correlated with MYC expression in lymphoblastoid, lymphoma and breast cancer cell lines.,tissue

specificity: Ubiquitous with higher level in thymus and small intestine.

Overexpressed in a large number of tumors, in blood from patients with acute myelogenous leukemia (AML) and in chronic myelogenous leukemia (CML) blast

crisis.,

Subcellular

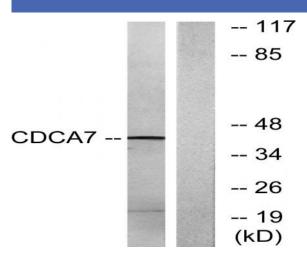
Nucleus. Cytoplasm. Predominantly nuclear with some expression also seen in the cytoplasm. Predominantly cytoplasmic when phosphorylated at Thr-163.

**Expression :** Ubiquitous with higher level in thymus and small intestine. Overexpressed in a

large number of tumors, in blood from patients with acute myelogenous leukemia

(AML) and in chronic myelogenous leukemia (CML) blast crisis.

## **Products Images**



Western blot analysis of lysates from K562 cells, using CDCA7 Antibody. The lane on the right is blocked with the synthesized peptide.