

## CdcA7 Polyclonal Antibody

<b>Catalog No :</b>	YT0821
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	CdcA7
<b>Gene Name :</b>	CDCA7
<b>Protein Name :</b>	Cell division cycle-associated protein 7
<b>Human Gene Id :</b>	83879
<b>Human Swiss Prot No :</b>	Q9BWT1
<b>Mouse Gene Id :</b>	66953
<b>Mouse Swiss Prot No :</b>	Q9D0M2
<b>Rat Gene Id :</b>	311742
<b>Rat Swiss Prot No :</b>	Q4KM91
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CDCA7. AA range:141-190
<b>Specificity :</b>	CdcA7 Polyclonal Antibody detects endogenous levels of CdcA7 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	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 RefSeq, 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 Location :** 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.

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