SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CDCA7 antibody

Catalog Number: SL22228R

FOR RESEARCH USE ONLY

[DATASHEET]

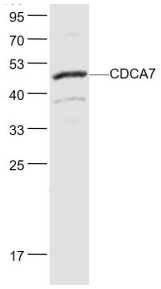
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CDCA7
Immunogen:	KLH conjugated synthetic peptide derived from human CDCA7 : 31-130/371
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human (predicted: Mouse)
Predicted MW.:	43kDa
Subcellular Location:	The nucleus
Background:	CDCA7 is a nuclear protein without a known function, although its high homology with the transcription factor JPO2 or RAM2 suggests that it is also a transcription factor. CDCA7 is one of many target genes regulated by the c-Myc transcription factor. Overexpression of CDCA7 occurs in a significant proportion of cancers and it may play an important role in tumorigenesis. Normally it is periodically expressed in the cell cycle, peaking at the G1 to S phase transition. **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. **Subcellular Location:** Nuclear **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)

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

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	blast crisis. **Database links:** **Entrez Gene:** 83879 Human **Entrez Gene:** 66953 Mouse **Entrez Gene:** 311742 Rat Omim: 609937 Human **SwissProt:** Q9BWT1 Human **SwissProt:** Q9D0M2 Mouse **SwissProt:** Q4KM91 Rat

[VALIDATION IMAGES]



Sample:
U937(Human) Cell Lysate at 30 ug
Primary: Anti- CDCA7 (SL22228R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 43 kD
Observed band size: 48 kD

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