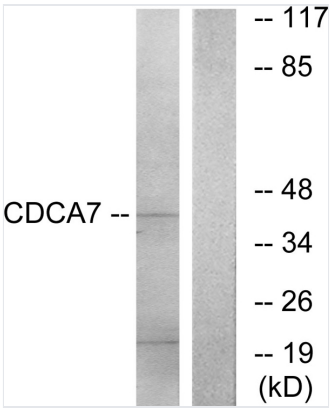
CDCA7 Antibody

PRODUCT OVERVIEW

Product Name	CDCA7, Antibody
Full Product Name	CDCA7 Antibody
Product Gene Name	anti-CDCA7 antibody
Product Synonym Names	Cell division cycle-associated protein 7; Protein JPO1; JPO1
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	CDCA7 antibody detects endogenous levels of total CDCA7 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	46,400 Da
OMIM	609937
3D Structure	ModBase 3D Structure for Q9BWT1
Immunogen	The antiserum was produced against synthesized peptide derived from internal of human CDCA7.
Product Categories/Family for anti-CDCA7 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDCA7 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CDCA7 antibody	WB: 1:500~1:1000 ELISA: 1:20000
Related Product Information for anti-CDCA7 antibody	MBS852699 is an antibody targeting CDCA7. Also known as CDCA7 Antibody. Reactive in Human, Mouse, Rat.
Product References and Citations for anti-CDCA7 antibody	Prescott J.E., J. Biol. Chem. 276:48276-48284(2001). Ota T., Nat. Genet. 36:40-45(2004). Hillier L.W., Nature 434:724-731(2005).
Other Notes	Small volumes of anti-CDCA7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CDCA7 antibody
Western blot analysis of extracts from K562 cells, using CDCA7 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDCA7. It may not necessarily be applicable to this product.

NCBI GI #	88999586
NCBI GeneID	83879
NCBI Accession #	NP_114148.3
UniProt Primary Accession #	Q9BWT1
UniProt Secondary Accession #	Q53EW5; Q580W9; Q658K4; Q658N4; Q8NBY9; Q96BV8; Q96SP5; B4DLP8; B4DV66
UniProt Related Accession #	Q9BWT1
GenBank Nucleotide #	NM_031942.4
NCBI Official Full Name	cell division cycle-associated protein 7 isoform 1
NCBI Official Synonym Full Names	cell division cycle associated 7
NCBI Official Symbol	CDCA7
NCBI Official Synonym Symbols	ICF3; JPO1
UniProt Protein Name	Cell division cycle-associated protein 7
UniProt Synonym Protein Names	Protein JPO1
Protein Family	Cell division cycle-associated protein
UniProt Gene Name	CDCA7
UniProt Synonym Gene Names	JPO1
NCBI Protein Information	cell division cycle-associated protein 7
NCBI Summary for CDCA7	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]
UniProt Comments for CDCA7	Participates in MYC-mediated cell transformation and apoptosis; 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.
Research Articles on CDCA7	**1.** Transcriptome analysis identified Cdca7 as the top down-regulated gene in Zbtb24 homozygous mutant mESCs, which can be restored by ectopic ZBTB24 expression. Finally, we show that this regulation is conserved between species and that CDCA7 levels are reduced in patients carrying ZBTB24 nonsense mutations

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