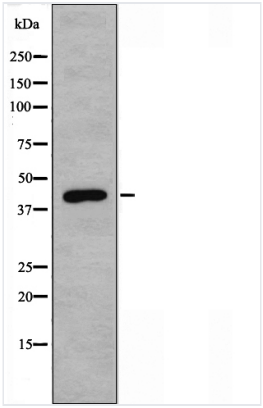
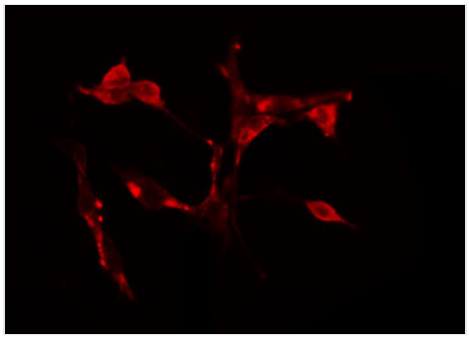
CDCA7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

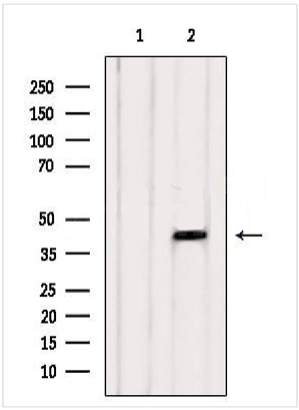
Product Name	CDCA7, Polyclonal Antibody
Full Product Name	CDCA7 Antibody
Product Gene Name	anti-CDCA7 antibody
Product Synonym Names	CDCA7; Cell division cycle associated 7; JPO1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit igG in Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	CDCA7 peptide (MBS9623719) is used for blocking the activity of CDCA7 antibody (MBS9605002)
Molecular Weight	43 KD
3D Structure	ModBase 3D Structure for Q9BWT1
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human CDCA7, corresponding to a region within the internal amino acids.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDCA7 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-CDCA7 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500
Related Product Information for anti-CDCA7 antibody	MBS9605002 is an antibody targeting CDCA7. Also known as CDCA7 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
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.



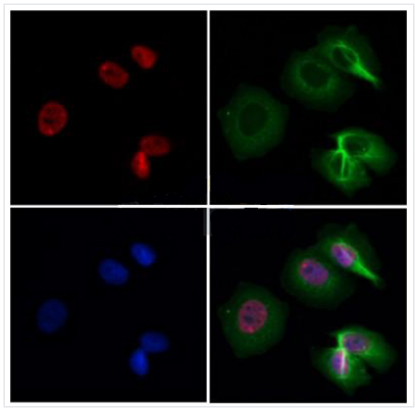
Western Blot (WB) of anti-CDCA7 antibody
Western blot analysis of extracts from K562 cells, using CDCA7 antibody.



Immunofluorescene (IF) of anti-CDCA7 antibody
MBS9605002 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



Western Blot (WB) of anti-CDCA7 antibody
Western blot analysis of extracts from Hela, using CDCA7 Ab. The lane on the left was treated with blocking peptide.



Immunofluorescence (IF) of anti-CDCA7 antibody
MBS9605002 staining Hela by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(MBS9605002 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI(blue)

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.** HELLS and CDCA7 comprise a bipartite nucleosome remodeling complex; immunodeficiency-centromeric instability-facial anomalies syndrome has a defective HELLS and CDCA7 bipartite nucleosome remodeling complex
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