

Rabbit anti-Human CDCA2 Polyclonal Antibody | anti-CDCA2 antibody

Rabbit anti-CDCA2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213473	Rabbit	Human	Immunoprecipitation, Western Blot

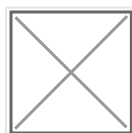
PRODUCT SYNONYMS

CDCA2; Polyclonal Antibody; Rabbit anti-CDCA2 Antibody; Affinity Purified; Repo-Man; cell division cycle-associated protein 2; PPP1R81; protein phosphatase 1; regulatory subunit 81; recruits PP1 onto mitotic chromatin at anaphase protein; Cell division cycle-associated protein 2; cell division cycle associated 2; anti-CDCA2 antibody

PRODUCT SPECIFICATIONS

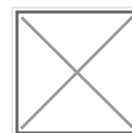
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CDCA2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 200 and 250
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CDCA2 by western blot. Samples: Whole cell lysate (50 ug) from K-562, HEK293T, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CDCA2 antibody (AAA213473 lot 1) used for WB at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



IP (Immunoprecipitation)

Detection of human CDCA2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from K-562 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CDCA2 antibody (AAA213473 lot 1) used for IP at 1 ug per reaction. CDCA2 was also immunoprecipitated by rabbit anti-CDCA2 antibody BL24283. For blotting immunoprecipitated CDCA2, AAA213473 was used at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CDCA2 antibody	CDCA2 is a regulator of chromosome structure during mitosis required for condensin-depleted chromosomes to retain their compact architecture through anaphase. Acts by mediating the recruitment of phosphatase PP1-gamma subunit (PPP1CC) to chromatin at anaphase and into the following interphase. At anaphase onset, its association with chromatin targets a pool of PPP1CC to dephosphorylate substrates. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q69YH5].
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NCBI AND UNIPROT INFORMATION

NCBI GI #	44681484
NCBI GeneID	157313
NCBI Accession #	NP_689775.2
NCBI GenBank Nucleotide #	NM_152562.2
UniProt Accession #	Q69YH5; Q3SX74; Q4G0W0; Q5RKN0; Q69YI4; Q6P464; Q8N7C1
Molecular Weight	112,676 Da
NCBI Official Full Name	cell division cycle-associated protein 2
NCBI Official Synonym Full Names	cell division cycle associated 2
NCBI Official Symbol	CDCA2
NCBI Official Synonym Symbols	Repo-Man
NCBI Protein Information	cell division cycle-associated protein 2; recruits PP1 onto mitotic chromatin at anaphase protein; protein phosphatase 1 [gamma] (PPP1R3A) binding protein Repo-Man
UniProt Protein Name	Cell division cycle-associated protein 2
UniProt Gene Name	CDCA2
UniProt Synonym Gene Names	Repo-Man
UniProt Entry Name	CDCA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdca2-antibody-immunoprecipitation-western-blot-elisa/213473>