

## Rabbit CDCA2 Polyclonal Antibody | anti-CDCA2 antibody

CDCA2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA324232 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

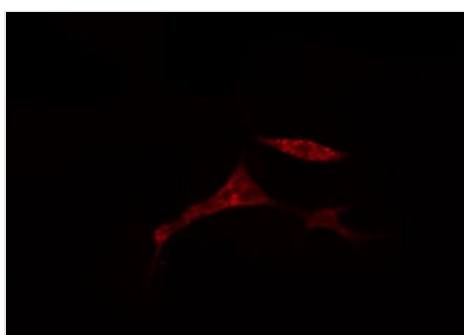
### PRODUCT SYNONYMS

CDCA2; Polyclonal Antibody; CDCA2 Antibody; cell division cycle associated 2; PPP1R81; protein phosphatase 1 [gamma] (PPP1R3A) binding protein Repo-Man; protein phosphatase 1; regulatory subunit 81; Recruits PP1 onto mitotic chromatin at anaphase protein; Repo Man; Repo-Man; anti-CDCA2 antibody

### PRODUCT SPECIFICATIONS

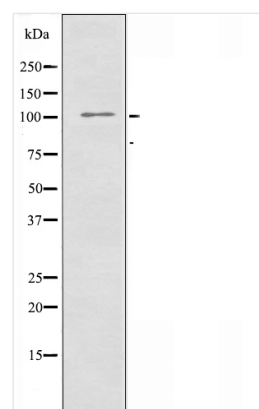
|                                                 |                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                     |
| Reactivity                                      | Human, Mouse, Rat                                                                                          |
| Clonality                                       | Polyclonal                                                                                                 |
| Isotype                                         | IgG                                                                                                        |
| Specificity                                     | CDCA2 antibody detects endogenous levels of total CDCA2                                                    |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.              |
| Form/Format                                     | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                        |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                     |
| Sequence Length                                 | 1008                                                                                                       |
| Applicable Applications for anti-CDCA2 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                               |
| Immunogen                                       | A synthesized peptide derived from human CDCA2, corresponding to a region within the internal amino acids. |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                          |

### IMAGES



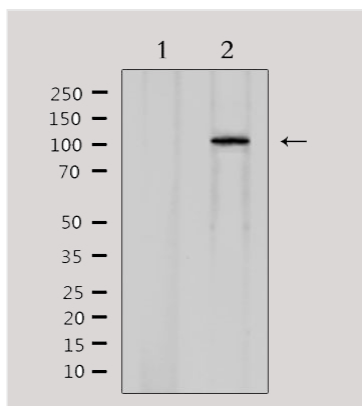
#### IF (Immunofluorescence)

AAA324232 staining 293 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.



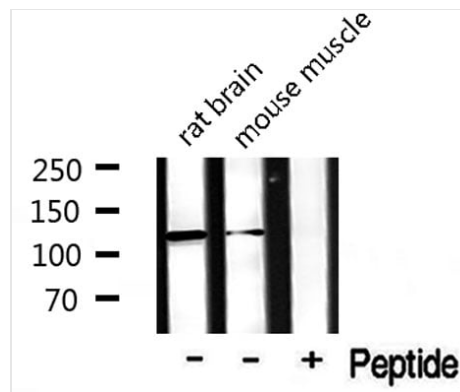
#### WB (Western Blot)

Western blot analysis of extracts from 293 cells, using CDCA2 antibody.



#### WB (Western Blot)

Western blot analysis of extracts from rat brain, using CDCA2 Antibody. Lane 1 was treated with the antigen-specific peptide.



#### WB (Western Blot)

Western blot analysis of extracts from rat and mouse brain, using CDCA2 antibody.

## ADDITIONAL INFORMATION

### Related Product Information for anti-CDCA2 antibody

Function: 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..

## NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 961658079                                              |
| NCBI GeneID                      | 157313                                                 |
| NCBI Accession #                 | NP_001304835.1                                         |
| NCBI GenBank Nucleotide #        | NM_001317906.1                                         |
| UniProt Accession #              | Q69YH5; Q3SX74; Q4G0W0; Q5RKN0; Q69YI4; Q6P464; Q8N7C1 |
| Molecular Weight                 | 113 KD                                                 |
| NCBI Official Full Name          | cell division cycle-associated protein 2 isoform 2     |
| NCBI Official Synonym Full Names | cell division cycle associated 2                       |
| NCBI Official Symbol             | CDCA2                                                  |
| NCBI Official Synonym Symbols    | PPP1R81; Repo-Man                                      |
| NCBI Protein Information         | cell division cycle-associated protein 2               |
| UniProt Protein Name             | Cell division cycle-associated protein 2               |
| UniProt Gene Name                | CDCA2                                                  |
| UniProt Synonym Gene Names       | Repo-Man                                               |

**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-immunocytochemistry-immunofluorescence-western-blot-elisa/324232>