

Specification

Required for both DNA replication and mitosis (PubMed:11125146, PubMed:14993212, PubMed:21856198, PubMed:22581055, PubMed:22581055)

[26842564](http://www.uniprot.org/citations/26842564)). DNA replication licensing factor, required for pre-replication complex assembly. Cooperates with CDC6 and the origin recognition complex (ORC) during G1 phase of the cell cycle to promote the loading of the mini-chromosome maintenance (MCM) complex onto DNA to generate pre-replication complexes (pre-RC) (PubMed: [14672932](http://www.uniprot.org/citations/14672932)). Required also for mitosis by promoting stable kinetochore-microtubule attachments (PubMed: [22581055](http://www.uniprot.org/citations/22581055)). Potential oncogene (By similarity).

Cellular Location

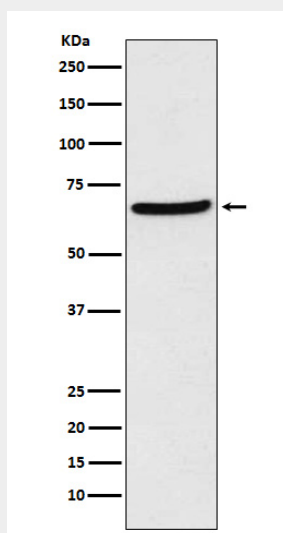
Nucleus. Chromosome, centromere, kinetochore. Note=Transiently localizes to kinetochores during prometaphase and metaphase

CDT1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CDT1 Antibody - Images



Western blot analysis of CDT1 expression in HEK293 cell lysate.