10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-CDT1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1540

Product Information

Application	WB
Primary Accession	Q9H211
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB5790
Calculated MW	60390
Gene Name	CDT1
Aliases	CDT1; Chromatin Licensing And DNA Replication Factor 1; DUP; RIS2; DNA Replication Factor Cdt1; Double Parked, Drosophila, Homolog Of; Double Parked Homolog
Immunogen	A synthesized peptide derived from human CDT1

Additional Information

Gene ID	81620
Other Names	DNA replication factor Cdt1, Double parked homolog, DUP, CDT1 {ECO:0000312|EMBL:AAG45181.1}

Protein Information

Name	CDT1 {ECO:0000312|EMBL:AAG45181.1}
Function	Required for both DNA replication and mitosis (PubMed: 11125146, PubMed:14993212, PubMed:21856198, PubMed:22581055, PubMed: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). Required also for mitosis by promoting stable kinetochore-microtubule attachments (PubMed:22581055). Potential oncogene (By similarity).
Cellular Location	Nucleus. Chromosome, centromere, kinetochore. Note=Transiently localizes to kinetochores during prometaphase and metaphase

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.