

CDT1 Rabbit pAb

CatalogNo: YN0650

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 60kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein. AA range:141-191

Specificity CDT1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name CDT1

Protein Name DNA replication factor Cdt1 (Double parked homolog) (DUP)

Organism	Gene ID	UniProt ID
Human	81620 ;	Q9H211 ;
Mouse		Q8R4E9 ;

Cellular Localization Nucleus . Chromosome, centromere, kinetochore . Transiently localizes to kinetochores during prometaphase and metaphase. .

Tissue specificity Brain,Cervix,Epithelium,Eye,Kidney,Liver,Uterus,

Function developmental stage:Present during G1 and early S phase of the cell cycle. Degraded during the late S, G2, and M phases.,Function:Cooperates with CDC6 to promote the loading of the mini-chromosome maintenance complex onto chromatin to form the pre-replication complex necessary to initiate DNA replication. Binds DNA in a sequence-, strand-, and conformation-independent manner. Potential oncogene.,PTM:Phosphorylated by cyclin A-dependent kinases which results in the binding of CDT1 to the F-box protein SKP2 and subsequent degradation. Binding to GMNN is not affected by phosphorylation.,PTM:Ubiquitinated, leading to its subsequent degradation. The interaction with GMNN protects it against ubiquitination.,similarity:Belongs to the Cdt1 family.,subunit:Interaction with GMNN inhibits both binding of the MCM complex to origins of replication and DNA-binding activity.,

Validation Data

Contact information

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CDT1 Rabbit pAb

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