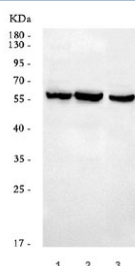


DUP Antibody / CDT1 (RQ7296)

Catalog No.	Formulation	Size
RQ7296	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H211
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This DUP antibody is available for research use only.



Western blot testing of 1) human MCF7, 2) human HeLa and 3) mouse brain tissue lysate with DUP antibody. Predicted molecular weight ~60 kDa, commonly observed at 60-70 kDa.

Description

CDT1 (Chromatin licensing and DNA replication factor 1), also called DUP (Double parked homolog) is a protein that in humans is encoded by the CDT1 gene. The protein encoded by this gene is involved in the formation of the pre-replication complex that is necessary for DNA replication. The encoded protein can bind geminin, which prevents replication and may function to prevent this protein from initiating replication at inappropriate origins. Phosphorylation of this protein by cyclin A-dependent kinases results in degradation of the protein.

Application Notes

Optimal dilution of the DUP antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R19-L357) was used as the immunogen for the DUP antibody.

Storage

After reconstitution, the DUP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.