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Cdc6 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6271a

Specification

Cdc6 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q99741
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**62720**
Antigen Region	**32-61**

Cdc6 Antibody (N-term) - Additional Information

Gene ID 990

Other Names
Cell division control protein 6 homolog, CDC6-related protein, Cdc18-related protein, HsCdc18, p62(cdc6), HsCDC6, CDC6, CDC18L

Target/Specificity
This Cdc6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 32-61 amino acids from the N-terminal region of human Cdc6.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Cdc6 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Cdc6 Antibody (N-term) - Protein Information

Name CDC6

Synonyms CDC18L

Function Involved in the initiation of DNA replication. Also participates in checkpoint controls that ensure DNA replication is completed before mitosis is initiated.

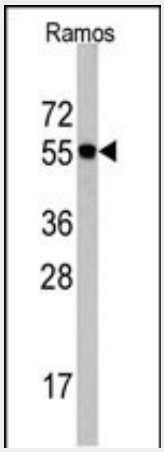
Cellular Location
Nucleus. Cytoplasm Note=The protein is nuclear in G1 and cytoplasmic in S-phase cells (PubMed:9566895).

Cdc6 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cdc6 Antibody (N-term) - Images



Western blot analysis of Cdc6 Antibody (N-term)(Cat.# AP6271a) in Romas cell line lysates (35ug/lane). Cdc6 (arrow) was detected using the purified Pab.

Cdc6 Antibody (N-term) - Background

Human Cdc6 is highly similar to Saccharomyces cerevisiae Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cyle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cyle is regulated through its phosphorylation by Cdks. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins.

Cdc6 Antibody (N-term) - References

Alexandrow, M.G., et al., Mol. Cell. Biol. 24(4):1614-1627 (2004).
Yim, H., et al., Mol. Biol. Cell 14(10):4250-4259 (2003).
Clay-Farrace, L., et al., EMBO J. 22(3):704-712 (2003).
Pelizon, C., et al., EMBO Rep. 3(8):780-784 (2002).

Bermejo, R., et al., Mol. Biol. Cell 13(11):3989-4000 (2002).