10320 Camino Santa Fe, Suite G
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CDC23 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6613a

Specification

CDC23 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9UJX2
Other Accession	A1A4R8
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68834**
Antigen Region	**140-168**

CDC23 Antibody (N-term) - Additional Information

Gene ID 8697

Other Names
Cell division cycle protein 23 homolog, Anaphase-promoting complex subunit 8, APC8, Cyclosome subunit 8, CDC23, ANAPC8

Target/Specificity
This CDC23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-168 amino acids from the N-terminal region of human CDC23.

Dilution
WB~~1:1000
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
CDC23 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CDC23 Antibody (N-term) - Protein Information

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Name CDC23

Synonyms ANAPC8

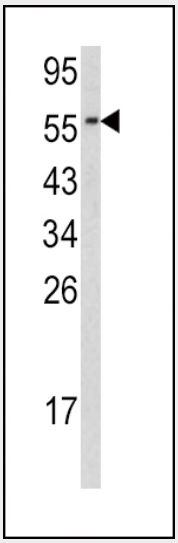
Function Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle (PubMed:18485873). The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains (PubMed:18485873). The APC/C complex catalyzes assembly of branched 'Lys-11'-/'Lys-48'-linked branched ubiquitin chains on target proteins (PubMed:29033132).

CDC23 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

CDC23 Antibody (N-term) - Images



Western blot analysis of CDC23 antibody (N-term) (Cat. #AP6613a) in HL60 cell line lysates(35ug/lane). CDC23 (arrow) was detected using the purified Pab.

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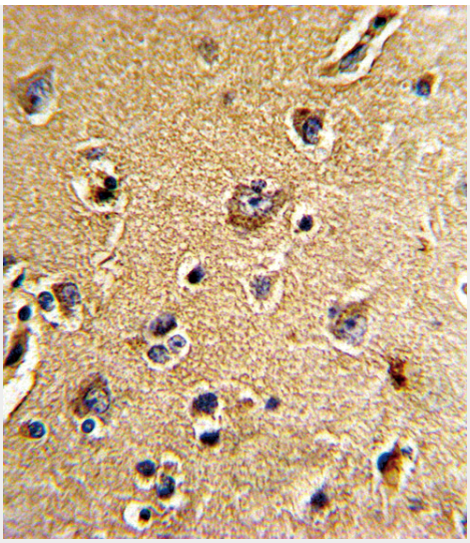

Formalin-fixed and paraffin-embedded human brain tissue reacted with CDC23 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

CDC23 Antibody (N-term) - Background

CDC23 shares strong similarity with Saccharomyces cerevisiae Cdc23, a protein essential for cell cycle progression through the G2/M transition. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eukaryotic cells. APC catalyzes the formation of cyclin B-ubiquitin conjugate that is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. This protein and 3 other members of the APC complex contain the TPR (tetratricopeptide repeat), a protein domain important for protein-protein interaction.

CDC23 Antibody (N-term) - References

Zhao,N., Genomics 53 (2), 184-190 (1998)