

CDC23 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6613a**Specification****CDC23 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q9UJX2](#)

CDC23 Antibody (N-term) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP6613a](#) was selected from the N-term region of human CDC23. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CDC23 Antibody (N-term) Blocking Peptide - Protein Information

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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/18485873)). The APC/C complex catalyzes assembly of branched 'Lys-11'-'Lys-48'-linked branched ubiquitin chains on target proteins (PubMed:[29033132](http://www.uniprot.org/citations/29033132))

target="_blank">29033132).

CDC23 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDC23 Antibody (N-term) Blocking Peptide - Images

CDC23 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - References

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