

ANAPC10 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9135a

Specification

ANAPC10 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O9UM13](#)

ANAPC10 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10393

Other Names

Anaphase-promoting complex subunit 10, APC10, Cyclosome subunit 10, ANAPC10, APC10

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9135a](/products/AP9135a) was selected from the N-term region of human ANAPC10. 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.

ANAPC10 Antibody (N-term) Blocking Peptide - Protein Information

Name ANAPC10

Synonyms APC10

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)).

ANAPC10 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ANAPC10 Antibody (N-term) Blocking Peptide - Images

ANAPC10 Antibody (N-term) Blocking Peptide - Background

APC is a ubiquitin ligase which specifically targets mitotic regulatory factors such as Pds 1/Cut 2 and cyclin B. It was found that APC 10/Doc 1 is localized in centrosomes and mitotic spindles throughout mitosis, while it is also localized in kinetochores from prophase to anaphase and in mid body in telophase and cytokinesis. These results strongly support the notion that human APC 10/Doc 1 may be one of the APC core subunits rather than the transiently associated regulatory factor.

ANAPC10 Antibody (N-term) Blocking Peptide - References

Wendt K.S., et.al., Nat. Struct. Biol. 8:784-788(2001).