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CDC16 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9572a

Specification

CDC16 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q13042

CDC16 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 8881

Other Names
Cell division cycle protein 16 homolog, Anaphase-promoting complex subunit 6, APC6, CDC16 homolog, CDC16Hs, Cyclosome subunit 6, CDC16, ANAPC6

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.

CDC16 Antibody (N-term) Blocking Peptide - Protein Information

Name CDC16

Synonyms ANAPC6

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).

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle.

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CDC16 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CDC16 Antibody (N-term) Blocking Peptide - Images

CDC16 Antibody (N-term) Blocking Peptide - Background

CDC16 is a component protein of the APC complex, which is composed of eight proteins and functions as a protein ubiquitin ligase. The APC complex is a cyclin degradation system that governs exit from mitosis. Each component protein of the APC complex is highly conserved among eukaryotic organisms. This protein and two other APC complex proteins, CDC23 and CDC27, contain a tetratricopeptide repeat (TPR), a protein domain that may be involved in protein-protein interaction.

CDC16 Antibody (N-term) Blocking Peptide - References

??ouch, F.J., et al. Cancer Epidemiol. Biomarkers Prev. 19(1):251-257(2010)??in, L., et al. Cell 133(4):653-665(2008)??eausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)??ousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)??ousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)