

ANAPC5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10974c**Specification**

ANAPC5 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O9UJX4](#)**ANAPC5 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 51433**Other Names**

Anaphase-promoting complex subunit 5, APC5, Cyclosome subunit 5, ANAPC5, APC5

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.

ANAPC5 Antibody (Center) Blocking peptide - Protein Information**Name** ANAPC5**Synonyms** APC5**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

Nucleus. Cytoplasm, cytoskeleton, spindle

ANAPC5 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ANAPC5 Antibody (Center) Blocking peptide - Images

ANAPC5 Antibody (Center) Blocking peptide - Background

This gene encodes a tetratricopeptide repeat-containing component of the anaphase promoting complex/cyclosome (APC/C), a large E3 ubiquitin ligase that controls cell cycle progression by targeting a number of cell cycle regulators such as B-type cyclins for 26S proteasome-mediated degradation through ubiquitination. The encoded protein is required for the proper ubiquitination function of APC/C and for the interaction of APC/C with transcription coactivators. It also interacts with polyA binding protein and represses internal ribosome entry site-mediated translation. Multiple transcript variants encoding different isoforms have been found for this gene. These differences cause translation initiation at a downstream AUG and result in a shorter protein (isoform b), compared to isoform a.

ANAPC5 Antibody (Center) Blocking peptide - References

Wasch, R., et al. Oncogene 29(1):1-10(2010) Jin, L., et al. Cell 133(4):653-665(2008) Liu, J., et al. Cancer Biol. Ther. 5(7):760-762(2006) Dube, P., et al. Mol. Cell 20(6):867-879(2005) Turnell, A.S., et al. Nature 438(7068):690-695(2005)