

ANAPC2 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21055a**Specification**

ANAPC2 Blocking Peptide (C-term) - Product Information

Primary Accession [O9UJX6](#)
Other Accession [Q8BZQ7](#)

ANAPC2 Blocking Peptide (C-term) - Additional Information

Gene ID 29882

Other Names

Anaphase-promoting complex subunit 2, APC2, Cyclosome subunit 2, ANAPC2, APC2, KIAA1406

Target/Specificity

The synthetic peptide sequence is selected from aa 712-726 of HUMAN ANAPC2

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.

ANAPC2 Blocking Peptide (C-term) - Protein Information

Name ANAPC2

Synonyms APC2, KIAA1406

Function

Together with the RING-H2 protein ANAPC11, constitutes the catalytic 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. 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. The CDC20-APC/C complex positively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 drives presynaptic differentiation.

ANAPC2 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

ANAPC2 Blocking Peptide (C-term) - Images

ANAPC2 Blocking Peptide (C-term) - Background

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. 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. The CDC20-APC/C complex positively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 drives presynaptic differentiation.

ANAPC2 Blocking Peptide (C-term) - References

Yu H.,et al.Science 279:1219-1222(1998).
Humphray S.J.,et al.Nature 429:369-374(2004).
Nagase T.,et al.DNA Res. 7:65-73(2000).
Nakajima D.,et al.DNA Res. 9:99-106(2002).
Tang Z.,et al.Mol. Biol. Cell 12:3839-3851(2001).