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UBE2C Antibody (N-term G25) Blocking Peptide

Synthetic peptide
Catalog # BP2119d

Specification

UBE2C Antibody (N-term G25) Blocking Peptide - Product Information

Primary Accession O00762

UBE2C Antibody (N-term G25) Blocking Peptide - Additional Information

Gene ID 11065

Other Names
Ubiquitin-conjugating enzyme E2 C, UbcH10, Ubiquitin carrier protein C, Ubiquitin-protein ligase C, UBE2C, UBCH10

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2119d was selected from the N-term region of human UBE2C. 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.

UBE2C Antibody (N-term G25) Blocking Peptide - Protein Information

Name UBE2C

Synonyms UBCH10

Function
Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls progression through mitosis. Acts by initiating 'Lys-11'-linked polyubiquitin chains on APC/C substrates, leading to the degradation of APC/C substrates by the proteasome and promoting mitotic exit.

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UBE2C Antibody (N-term G25) Blocking Peptide - Protocols

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

- Blocking Peptides

UBE2C Antibody (N-term G25) Blocking Peptide - Images

UBE2C Antibody (N-term G25) Blocking Peptide - Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. UBE2C is a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is required for the destruction of mitotic cyclins and for cell cycle progression.

UBE2C Antibody (N-term G25) Blocking Peptide - References

Okamoto, Y., et al., Cancer Res. 63(14):4167-4173 (2003).Lin, Y., et al., J. Biol. Chem. 277(24):21913-21921 (2002).Townsley, F.M., et al., Proc. Natl. Acad. Sci. U.S.A. 94(6):2362-2367 (1997).