10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBE2C Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2119b

Specification

UBE2C Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	O00762
Other Accession	Q9D1C1, Q4R9D1, Q32PA5
Reactivity	**Human**
Predicted	**Bovine, Monkey, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**142-172**

UBE2C Antibody (C-term) - 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
This UBE2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 142-172 amino acids from the C-terminal region of human UBE2C.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
UBE2C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2C Antibody (C-term) - Protein Information

Name UBE2C

Synonyms UBCH10

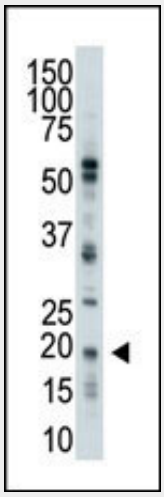
Function Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls 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.

UBE2C Antibody (C-term) - Protocols

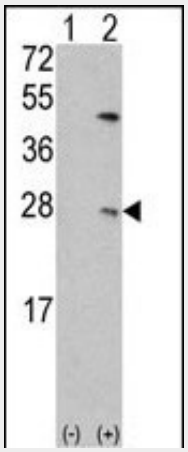
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UBE2C Antibody (C-term) - Images



The UBE2C Antibody (C-term) (Cat. #AP2119b) is used in Western blot to detect UBE2C in Jurkat cell lysate.



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Western blot analysis of UBE2C(arrow) using rabbit polyclonal UBE2C Antibody (C-term) (Cat. #AP2119b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the UBE2C gene (Lane 2) (Origene Technologies).

UBE2C Antibody (C-term) - 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 (C-term) - 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).