

Mouse anti-Human Ubiquitin-conjugating Enzyme E2C/UBCH10 Monoclonal Antibody | anti-UBE2C antibody

Ubiquitin-conjugating Enzyme E2C/UBCH10

CATALOG # AAA215376	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

Ubiquitin-conjugating Enzyme E2C/UBCH10; Monoclonal Antibody; Cyclin selective ubiquitin carrier protein; mitotic specific ubiquitin conjugating enzyme; UB E2C; UBCH10; Ubiquitin protein ligase C; anti-UBE2C antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	CPTC-UBE2C-1
Specificity	The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. The first step requires the ATP-dependent activation of the Ub C-terminus and the assembly of multi-Ub chains by the Ub-activating enzyme known as the E1 component. The Ub chain is then conjugated to the Ubconjugating enzyme (E2) to generate an intermediate Ub-E2 complex. The Ub-ligase (E3) then catalyzes the transfer of Ub from E2 to the appropriate protein substrate. UBE2C, also designated UBCH10 in human, is an E2 ubiquitin conjugating enzyme for the anaphase promoting complex (APC), which coordinates mitosis and G1 by sequentially promoting the degradation of key cell-cycle regulators. UBE2C is overexpressed in many different types of cancers and may be a potential therapeutic target.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	132
Applicable Applications for anti-UBE2C antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human full-length UBE2C protein
Cellular Localization	Cytoplasm
Hu-chromosome Location	20q13.12
Positive Control	HeLa, Jurkat or A431 cells. Human Tonsil or Placenta tissue.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified UBE2C Mouse Monoclonal Antibody (CPTC-UBE2C-1).
Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human brain stained with UBE2C Mouse Monoclonal Antibody (CPTC-UBE2C-1)

ADDITIONAL INFORMATION

References	Lin, Y., et al. 2002. Structural and functional analysis of the human mitoticspecific ubiquitin-conjugating enzyme, UBCH10. J. Biol. Chem. 277: 21913-21921.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	528524529
NCBI GeneID	11065
NCBI Accession #	NP_001268670.1
NCBI GenBank Nucleotide #	NP_001268670.1
UniProt Accession #	O00762
Molecular Weight	20kDa
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 C isoform 6
NCBI Official Synonym Full Names	ubiquitin conjugating enzyme E2 C
NCBI Official Symbol	UBE2C
NCBI Official Synonym Symbols	UBCH10; dJ447F3.2
NCBI Protein Information	ubiquitin-conjugating enzyme E2 C
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 C
UniProt Gene Name	UBE2C
UniProt Synonym Gene Names	UBCH10
UniProt Entry Name	UBE2C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.