

Rabbit UBE2C Polyclonal Antibody | anti-UBE2C antibody

UBE2C Antibody

CATALOG # AAA327079	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	--

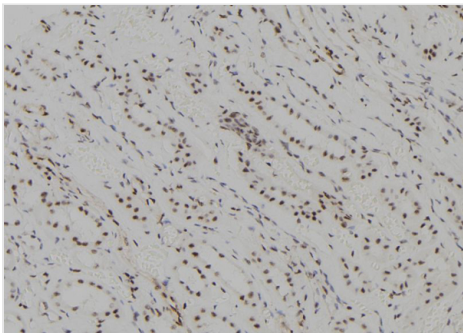
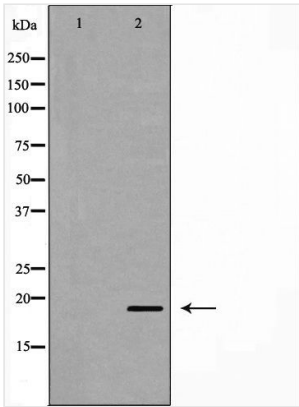
PRODUCT SYNONYMS

UBE2C; Polyclonal Antibody; UBE2C Antibody; Cyclin selective ubiquitin carrier protein; dJ447F3.2; Mitotic specific ubiquitin conjugating enzyme; UB E2C; UBCH 10; UbcH10; UBE 2C; Ube2c; UBE2C_HUMAN; Ubiquitin carrier protein C; Ubiquitin carrier protein E2 C; Ubiquitin carrier protein E2C; Ubiquitin conjugating enzyme E2 C; Ubiquitin conjugating enzyme E2C; Ubiquitin protein ligase C; Ubiquitin-conjugating enzyme E2 C; Ubiquitin-protein ligase C; anti-UBE2C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	UBE2C antibody detects endogenous levels of total UBE2C
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	132
Applicable Applications for anti-UBE2C antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human UBE2C
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (90%), Bovine (90%), Horse (90%), Sheep (90%), Rabbit (90%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327079 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using UBE2C Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-UBE2C antibody

Description: 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, ubiquitin-conjugating enzymes, and ubiquitin-protein ligases. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is required for the destruction of mitotic cyclins and for cell cycle progression, and may be involved in cancer progression. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been defined on chromosomes 4, 14, 15, 18, and 19.

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.

Subunit Structure: Component of the APC/C complex, composed of at least 14 distinct subunits that assemble into a complex of at least 19 chains with a combined molecular mass of around 1.2 MDa. Within this complex, directly interacts with ANAPC2.

Post-translational Modifications: Autoubiquitinated by the APC/C complex, leading to its degradation by the proteasome. Its degradation plays a central role in APC/C regulation, allowing cyclin-A accumulation before S phase entry. APC/C substrates inhibit the autoubiquitination of UBE2C/UBCH10 but not its E2 function, hence APC/C remaining active until its substrates have been destroyed.

Similarity: Belongs to the ubiquitin-conjugating enzyme family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	528524529
NCBI GeneID	11065
NCBI Accession #	NP_001268670.1
NCBI GenBank Nucleotide #	NM_001281741.1
UniProt Accession #	O00762; A6NP33; E1P5N7; G3XAB7
Molecular Weight	Observed: 19 kDa Predicted: 20 kDa
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ube2c-antibody-immunohistochemistry-western-blot-elisa/327079>