UBE2C Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	UBE2C, Monoclonal Antibody
Full Product Name	UBE2C (Ubiquitin-conjugating Enzyme E2 C, UbcH10, Ubiquitin Carrier Protein C, Ubiquitin-protein Ligase C, dJ447F3.2) (MaxLight 490)
Product Gene Name	anti-UBE2C antibody
Product Synonym Names	EC=6.3.2.19
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	9D3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human UBE2C.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery o centrifuge the original vial prior to removing the cap.
Molecular Weight	22.1 kDa (202aa), confirmed by MALDI-TOF
OMIM	605574
3D Structure	ModBase 3D Structure for O00762
Immunogen	Partial recombinant corresponding to aa70-180 from human UBE2C (NP_008950) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AGTVYEDLRYKLSLEFPSGYPYNAPTVKFLTPCYHPNVDTQGNICLDILKEKWSALYDVRTILLSIQSLLGEPNIDSPLNTHAAELWKNPTAFKKYLQETYSK
Conjugate	MaxLight490
Product Categories/Family for anti-UBE2C antibody	Antibodies; Ubiquitin
Applications Tested/Suitable for anti-UBE2C antibody	FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-UBE2C antibody	IF: 10ug/ml Applications are based on unconjugated antibody.

Related Product Information for anti-UBE2C antibody	MBS6203950 is an antibody targeting UBE2C. Also known as UBE2C (Ubiquitin-conjugating Enzyme E2 C, UbcH10, Ubiquitin Carrier Protein C, Ubiqu Ligase C, dJ447F3.2) (MaxLight 490). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-UBE2C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and add ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBE2C. It may not necessarily be applicable to this product.

NCBI GI #	5902146
NCBI GeneID	11065
NCBI Accession #	NP_008950
UniProt Primary Accession #	O00762
UniProt Secondary Accession #	A6NP33; E1P5N7; G3XAB7
UniProt Related Accession #	O00762
GenBank Nucleotide #	NM_007019
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 C isoform 1
NCBI Official Synonym Full Names	ubiquitin conjugating enzyme E2 C
NCBI Official Symbol	UBE2C
NCBI Official Synonym Symbols	UBCH10; dJ447F3.2
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 C
UniProt Synonym Protein Names	UbcH10; Ubiquitin carrier protein C; Ubiquitin-protein ligase C
Protein Family	Probable ubiquitin-conjugating enzyme
UniProt Gene Name	UBE2C
UniProt Synonym Gene Names	UBCH10
UniProt Entry Name	UBE2C_HUMAN
NCBI Protein Information	ubiquitin-conjugating enzyme E2 C
NCBI Summary for UBE2C	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. [provided by RefSeq, Aug 2013]

UniProt Comments for UBE2C	UBE2C: 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. Belongs to the ubiquitin-conjugating enzyme family. Protein type: Ubiquitin conjugating system; Ligase; Cell cycle regulation; EC 6.3.2.19; Ubiquitin ligase Chromosomal Location of Human Ortholog: 20q13.12 Cellular Component: nucleoplasm; anaphase-promoting complex; cytoplasm; cytosol Molecular Function: protein binding; small conjugating protein ligase activity; ubiquitin protein ligase binding; ubiquitin-protein ligase activity; ATP binding; ligase activity Biological Process: ubiquitin-dependent protein catabolic process; positive regulation of ubiquitin-protein ligase activity during mitotic cell cycle; negative regulation of ubiquitin-protein ligase activity during mitotic cell cycle; regulation of mitotic metaphase/anaphase transition; protein ubiquitination; cyclin catabolic process; regulation of ubiquitin-protein ligase activity during mitotic cell cycle; anaphase-promoting complex activation; cell division; anaphase-promoting complex-dependent proteasomal ubiquitin-dependent protein catabolic process; mitotic cell cycle spindle assembly checkpoint; mitotic cell cycle; exit from mitosis; positive regulation of exit from mitosis
Research Articles on UBE2C	**1.** A role was identified for UBE2C as a marker of the androgen signaling pathway in prostate cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/ube2c/6203950