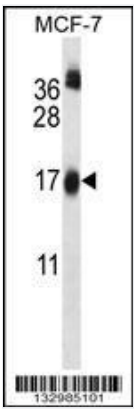
UBE2W Antibody – Rabbit Polyclonal

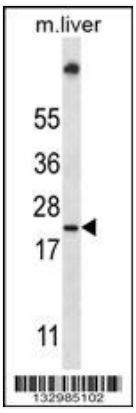
PRODUCT OVERVIEW

Product Name	UBE2W, Polyclonal Antibody
Full Product Name	UBE2W, CT (UBE2W, UBC16, Ubiquitin-conjugating enzyme E2 W, Ubiquitin carrier protein W, Ubiquitin-conjugating enzyme 16, Ubiquitin-protein ligase W) (APC)
Product Gene Name	anti-UBE2W antibody
Product Synonym Names	UBE2W; UBC16; Ubiquitin-conjugating enzyme E2 W; Ubiquitin carrier protein W; Ubiquitin-conjugating enzyme 16; Ubiquitin-protein ligase W
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	614277
3D Structure	ModBase 3D Structure for Q96B02
Immunogen	UBE2W antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-133 amino acids from the C-terminal region of human UBE2W.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-UBE2W antibody	Antibodies; Ubiquitin Ligases
Applications Tested/Suitable for anti-UBE2W antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-UBE2W antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-UBE2W antibody	UBE2W accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes monoubiquitination and 'Lys-11'-linked polyubiquitination.
Product References and Citations for anti-UBE2W antibody	Markson, G., et al. Genome Res. 19(10):1905-1911(2009). van Wijk, S.J., et al. Mol. Syst. Biol. 5, 295 (2009): Yin, G., et al. Front. Biosci. 11, 1500-1507 (2006).
Other Notes	Small volumes of anti-UBE2W antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, 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 additional dry ice fee may apply.

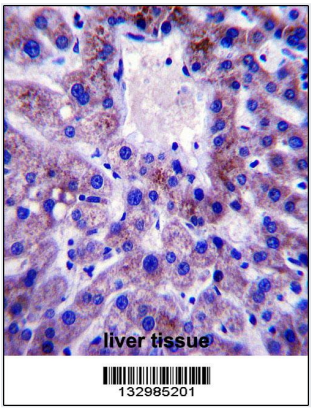
Searchable Terms for UBE2W purchase	MBS6360839 is an antibody targeting UBE2W. Also known as UBE2W, CT (UBE2W, UBC16, Ubiquitin-conjugating enzyme E2 W, Ubiquitin carrier protein W, Ubiquitin-conjugating enzyme 16, Ubiquitin-protein ligase W) (APC). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-UBE2W antibody
UBE2W Antibody (C-term) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the UBE2W antibody detected the UBE2W protein (arrow).



Western Blot (WB) of anti-UBE2W antibody
UBE2W Antibody (C-term) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the UBE2W antibody detected the UBE2W protein (arrow).



Immunohistochemistry (IHC) of anti-UBE2W antibody
UBE2W Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of UBE2W Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBE2W. It may not necessarily be applicable to this product.

NCBI GI #	47933381
NCBI GeneID	55284
NCBI Accession #	NP_001001481.1
NCBI Related Accession #	NP_060769.3
UniProt Primary Accession #	Q96B02
UniProt Related Accession #	Q96B02
GenBank Nucleotide #	NP_001001481.1
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 W isoform 1
NCBI Official Synonym Full Names	ubiquitin conjugating enzyme E2 W
NCBI Official Symbol	UBE2W
NCBI Official Synonym Symbols	UBC16; UBC-16

UniProt Protein Name	Ubiquitin-conjugating enzyme E2 W
UniProt Synonym Protein Names	N-terminus-conjugating E2; Ubiquitin carrier protein W; Ubiquitin-conjugating enzyme 16; UBC-16; Ubiquitin-protein ligase W
Protein Family	Probable ubiquitin-conjugating enzyme
UniProt Gene Name	UBE2W
UniProt Synonym Gene Names	UBC16; UBC-16
UniProt Entry Name	UBE2W_HUMAN
NCBI Protein Information	ubiquitin-conjugating enzyme E2 W
NCBI Summary for UBE2W	This gene encodes a nuclear-localized ubiquitin-conjugating enzyme (E2) that, along with ubiquitin-activating (E1) and ligating (E3) enzymes, coordinates the addition of a ubiquitin moiety to existing proteins. The encoded protein promotes the ubiquitination of Fanconi anemia complementation group proteins and may be important in the repair of DNA damage. There is a pseudogene for this gene on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
UniProt Comments for UBE2W	UBE2W: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes monoubiquitination. Involved in degradation of misfolded chaperone substrates by mediating monoubiquitination of STUB1/CHIP, leading to recruitment of ATXN3 to monoubiquitinated STUB1/CHIP, and restriction of the length of ubiquitin chain attached to STUB1/CHIP substrates by ATXN3. After UV irradiation, but not after mitomycin-C (MMC) treatment, acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway. In vitro catalyzes 'Lys-11'-linked polyubiquitination. Belongs to the ubiquitin-conjugating enzyme family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system; EC 6.3.2.19; Enzyme, misc.; Ubiquitin ligase; Ligase Chromosomal Location of Human Ortholog: 8q21.11 Cellular Component: cytoplasm; nucleus Molecular Function: small conjugating protein ligase activity; ubiquitin protein ligase binding; ubiquitin-protein ligase activity; ATP binding; ligase activity Biological Process: protein monoubiquitination; proteasomal ubiquitin-dependent protein catabolic process; misfolded or incompletely synthesized protein catabolic process; DNA repair
Research Articles on UBE2W	**1.** Thus, although Rnf4 and Ube2w functionally interact in vitro, these genetic experiments indicate that in response to DNA damage Ube2w and Rnf4 function in distinct pathways.
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/polyclonal-human-mouse-antibody/ube2w/6360839