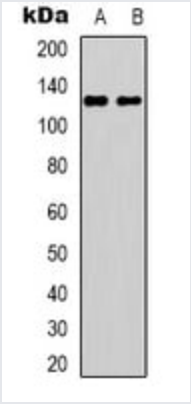
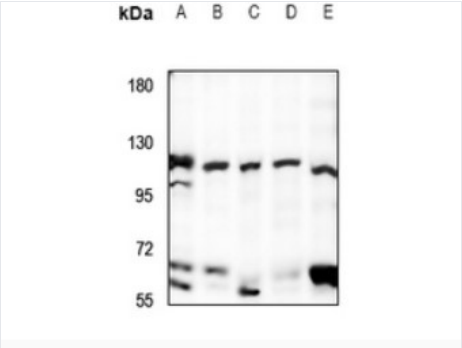
UBE3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

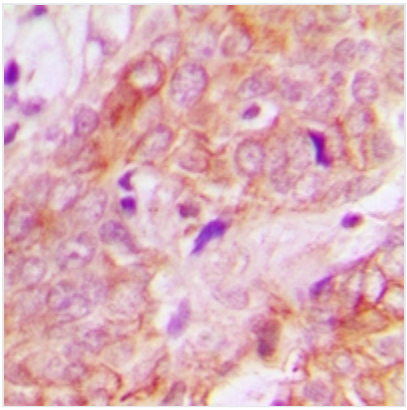
Product Name	UBE3B, Polyclonal Antibody
Full Product Name	Anti-UBE3B Antibody
Product Gene Name	anti-UBE3B antibody
Product Synonym Names	Ubiquitin-protein ligase E3B
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of UBE3B protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/ thaw cycles.
Antibody/Peptide Pairs	UBE3B peptide (MBS8244289) is used for blocking the activity of UBE3B antibody (MBS8242163)
OMIM	244450
3D Structure	ModBase 3D Structure for Q7Z3V4
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human UBE3B. The exact sequence is proprietary.
Applications Tested/Suitable for anti-UBE3B antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-UBE3B antibody	Western Blot: (1/500 - 1/1000) Immunohistochemistry: (1/100 - 1/200)
Related Product Information for anti-UBE3B antibody	MBS8242163 is an antibody targeting UBE3B. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to UBE3B
Other Notes	Small volumes of anti-UBE3B 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.



Western Blot (WB) of anti-UBE3B antibody
Western blot analysis of UBE3B expression in HEK293T (A), Jurkat (B) whole cell lysates.



Western Blot (WB) of anti-UBE3B antibody
Western blot analysis of UBE3B expression in PC12 (A), CT26 (B), SGC7901 (C), MCF7 (D), HEK293T (E) whole cell lysates. (Predicted band size: 123 kD; Observed band size: 123 kD)



Immunohistochemistry (IHC) of anti-UBE3B antibody
Immunohistochemical analysis of UBE3B staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBE3B. It may not necessarily be applicable to this product.

NCBI GI #	296453010
NCBI GeneID	89910
NCBI Accession #	Q7Z3V4.3
UniProt Primary Accession #	Q7Z3V4
UniProt Secondary Accession #	Q05BX9; Q659F7; Q7Z7Q1; Q9BXZ4; A5D8Z3
UniProt Related Accession #	Q7Z3V4
NCBI Official Full Name	Ubiquitin-protein ligase E3B
NCBI Official Synonym Full Names	ubiquitin protein ligase E3B
NCBI Official Symbol	UBE3B
NCBI Official Synonym Symbols	KOS; BPIDS
UniProt Protein Name	Ubiquitin-protein ligase E3B
Protein Family	Ubiquitin-protein ligase
UniProt Gene Name	UBE3B

UniProt Entry Name	UBE3B_HUMAN
NCBI Protein Information	ubiquitin-protein ligase E3B
NCBI Summary for UBE3B	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: E1 ubiquitin-activating enzymes, E2 ubiquitin-conjugating enzymes, and E3 ubiquitin-protein ligases. This gene encodes a member of the E3 ubiquitin-conjugating enzyme family which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme and transfers the ubiquitin to the targeted substrates. A HECT (homology to E6-AP C-terminus) domain in the C-terminus of the longer isoform of this protein is the catalytic site of ubiquitin transfer and forms a complex with E2 conjugases. Shorter isoforms of this protein which lack the C-terminal HECT domain are therefore unlikely to bind E2 enzymes. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2012]
UniProt Comments for UBE3B	UBE3B: E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Ligase; EC 6.3.2.19; EC 6.3.2.-; Ubiquitin ligase; Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 12q24.11 Molecular Function: ligase activity; ubiquitin-protein ligase activity Biological Process: protein ubiquitination during ubiquitin-dependent protein catabolic process Disease: Kaufman Oculocerebrofacial Syndrome
Research Articles on UBE3B	**1.** UBE3B mutations cause a clinically recognizable and possibly underdiagnosed syndrome named the Kaufman oculocerebrofacial syndrome
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-rat-antibody/ube3b/8242163