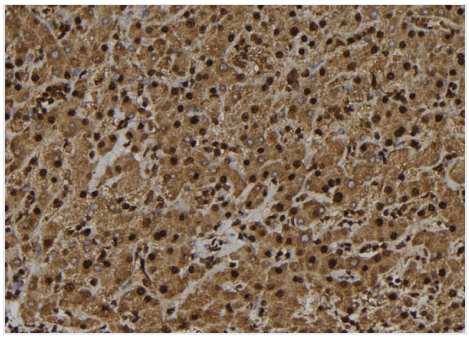
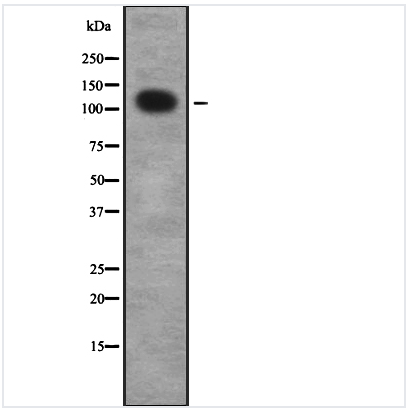
UBE3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

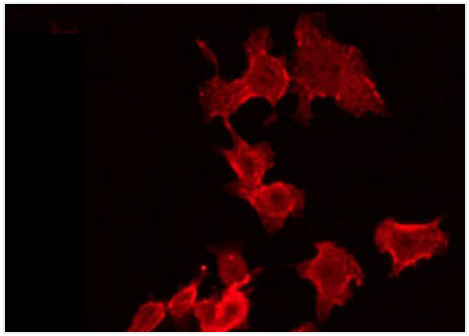
Product Name	UBE3B, Polyclonal Antibody
Full Product Name	UBE3B Antibody
Product Gene Name	anti-UBE3B antibody
Product Synonym Names	AI449831; AU020130; FLJ45294; MGC131858; MGC78388; Ubiquitin protein ligase E3B
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	UBE3B antibody detects endogenous levels of total UBE3B
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	UBE3B peptide (MBS9619718) is used for blocking the activity of UBE3B antibody (MBS9602264)
Molecular Weight	Observed: 123 kDa Predicted: 124 kDa
3D Structure	ModBase 3D Structure for Q7Z3V4
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human UBE3B
Tissue Specificity	Widely expressed.
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-UBE3B antibody	Western Blot (WB), Immunohistochemisty (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-UBE3B antibody	WB: 1:1000 IHC: 1:200 IF/ICC: 1:100-1:500
Related Product Information for anti-UBE3B antibody	Function: 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.
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.
Searchable Terms for UBE3B purchase	MBS9602264 is an antibody targeting UBE3B. Also known as UBE3B Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-UBE3B antibody
MBS9602264 at 1/100 staining Human liver 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.



Western Blot (WB) of anti-UBE3B antibody
Western blot analysis UBE3B using Jurkat whole cell lysates



Immunofluorescence (IF) of anti-UBE3B antibody
MBS9602264 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL DETAILS

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

NCBI GI #	394025733
NCBI GeneID	89910
NCBI Accession #	NP_001257378.1
UniProt Primary Accession #	Q7Z3V4
UniProt Secondary Accession #	Q05BX9; Q659F7; Q7Z7Q1; Q9BXZ4; A5D8Z3
UniProt Related Accession #	Q7Z3V4
GenBank Nucleotide #	NM_001270449.1
NCBI Official Full Name	ubiquitin-protein ligase E3B isoform 3
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
UniProt Synonym Protein Names	HECT-type ubiquitin transferase E3B
Protein Family	Ubiquitin-protein ligase

UniProt Gene Name	UBE3B
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	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.
Research Articles on UBE3B	**1.** we present four patients with five novel UBE3B mutations and propose the inclusion of clinical features to the characteristics of Kaufman oculocerebrofacial syndrome, including prominence of the cheeks and limb anomalies.
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