UBE2Z Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UBE2Z, Polyclonal Antibody
Full Product Name	UBE2Z, CT (UBE2Z, Ubiquitin-conjugating enzyme E2 Z, Uba6-specific E2 conjugating enzyme 1, Ubiquitin carrier protein Z, Ubiquitin-protein ligase Z) (MaxLight 750)
Product Gene Name	anti-UBE2Z antibody
Product Synonym Names	UBE2Z; Ubiquitin-conjugating enzyme E2 Z; Uba6-specific E2 conjugating enzyme 1; Ubiquitin carrier protein Z; Ubiquitin-protein ligase Z
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human UBE2Z. Species Sequence Homology: mouse, rat and Xenopus
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: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	~30 kDa
Chromosome Location	Chromosome: 17; NC_000017.10 (46985731..47006422). Location: 17q21.32
OMIM	611362
3D Structure	ModBase 3D Structure for Q9H832
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 284-310 in the C-terminal region of human UBE2Z, UniProt Accession #NP_075567.2; Q9H832; Q6PCF7; Q3B7D1; Q3UE37.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-UBE2Z antibody	Antibodies; Ubiquitin Ligases
Applications Tested/Suitable for anti-UBE2Z antibody	FLISA, Western Blot (WB)
Application Notes for anti-UBE2Z antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-UBE2Z antibody	MBS6360858 is an antibody targeting UBE2Z. Also known as UBE2Z, CT (UBE2Z, Ubiquitin-conjugating enzyme E2 Z, Uba6-specific E2 conjugating enzyme 1, Ubiquitin carrier protein Z, Ubiquitin-protein ligase Z) (MaxLight 750). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-UBE2Z antibody	1. Gu, X., et al. Mol. Biol. Rep. 34(3):183-188(2007). 2. Jin, J., et al. Nature 447(7148):1135-1138(2007).

Other Notes	Small volumes of anti-UBE2Z 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBE2Z. It may not necessarily be applicable to this product.

NCBI GI #	302191680
NCBI GeneID	65264
NCBI Accession #	NP_075567.2
UniProt Primary Accession #	Q9H832
UniProt Secondary Accession #	Q6PCF7; Q3B7D1; Q3UE37
UniProt Related Accession #	Q9H832
GenBank Nucleotide #	NM_023079
NCBI Official Full Name	Homo sapiens ubiquitin-conjugating enzyme E2Z (UBE2Z), mRNA
NCBI Official Synonym Full Names	ubiquitin-conjugating enzyme E2Z
NCBI Official Symbol	UBE2Z
NCBI Official Synonym Symbols	USE1; HOYS7
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 Z
UniProt Synonym Protein Names	Uba6-specific E2 conjugating enzyme 1; Use1; Ubiquitin carrier protein Z; Ubiquitin-protein ligase Z
Protein Family	Ubiquitin-conjugating enzyme
UniProt Gene Name	UBE2Z
UniProt Synonym Gene Names	Use1
UniProt Entry Name	UBE2Z_HUMAN
NCBI Protein Information	ubiquitin-conjugating enzyme E2 Z; UBA6-specific enzyme E2; ubiquitin-protein ligase Z; ubiquitin carrier protein Z; uba6-specific E2 conjugating enzyme 1
NCBI Summary for UBE2Z	This gene encodes an enzyme which ubiquitinates proteins which participate in signaling pathways and apoptosis. [provided by RefSeq, Feb 2012]
UniProt Comments for UBE2Z	Function: Catalyzes the covalent attachment of ubiquitin to other proteins By similarity. Specific substrate for UBA6, not charged with ubiquitin by UBE1. May be involved in apoptosis regulation. Ref.1 Ref.10 Catalytic activity: ATP + ubiquitin + protein lysine = AMP + diphosphate + protein N-ubiquityllysine. Pathway: Protein modification; protein ubiquitination. Subcellular location: Cytoplasm. Nucleus Ref.9. Tissue specificity: Widely expressed. Highly in placenta, pancreas, spleen and testis. Ref.1 Ref.9 Sequence similarities: Belongs to the ubiquitin-conjugating enzyme family. Sequence caution: The sequence AAH15890.1 differs from that shown. Reason: Erroneous initiation. The sequence BAB14724.1 differs from that shown. Reason: Erroneous initiation.
Research Articles on UBE2Z	**1.** UBE2Z was widely expressed in human tissues and is located on chromosome 17q21.

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