

**UBE2D2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14752b****Specification****UBE2D2 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P62837](#)**UBE2D2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 7322**Other Names**

Ubiquitin-conjugating enzyme E2 D2,  
Ubiquitin carrier protein D2,  
Ubiquitin-conjugating enzyme E2(17)KB 2,  
Ubiquitin-conjugating enzyme E2-17 kDa 2,  
Ubiquitin-protein ligase D2, p53-regulated  
ubiquitin-conjugating enzyme 1, UBE2D2,  
PUBC1, UBC4, UBC5B, UBCH4, UBCH5B

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**UBE2D2 Antibody (C-term) Blocking Peptide - Protein Information****Name** UBE2D2**Synonyms** PUBC1, UBC4, UBC5B, UBCH4, UBCH5B**Function**

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other

**UBE2D2 Antibody (C-term) Blocking Peptide - Background**

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, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. Two alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms.

**UBE2D2 Antibody (C-term) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Wu, K., et al. Mol. Cell 37(6):784-796(2010) Vina-Vilaseca, A., et al. J. Biol. Chem. 285(10):7645-7656(2010) Sakata, E., et al. Structure 18(1):138-147(2010) Kamadurai, H.B., et al. Mol. Cell 36(6):1095-1102(2009)

proteins. In vitro catalyzes 'Lys-48'- linked polyubiquitination. Mediates the selective degradation of short- lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Mediates ubiquitination of PEX5 and autoubiquitination of STUB1 and TRAF6. Involved in the signal-induced conjugation and subsequent degradation of NFKBIA, FBXW2-mediated GCM1 ubiquitination and degradation, MDM2-dependent degradation of p53/TP53 and the activation of MAVS in the mitochondria by DDX58/RIG-I in response to viral infection. Essential for viral activation of IRF3.

### **UBE2D2 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)