

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 proteins (PubMed:26475854, PubMed:10329681, PubMed:18042044, PubMed:18703417, PubMed:20061386, PubMed:20403326, PubMed:20525694). Catalyzes 'Lys-48'-linked polyubiquitination (PubMed:26475854, PubMed:10329681, PubMed:18042044, PubMed:18359941, PubMed:18703417, PubMed:>20061386, PubMed:>20403326, PubMed:>20525694). Mediates the selective degradation of short-lived and abnormal proteins (PubMed:>26475854, PubMed:>10329681, PubMed:>18042044, PubMed:>18359941, PubMed:>18703417, PubMed:>20061386, PubMed:>20403326, PubMed:>20525694). Functions in the E6/E6-AP-induced ubiquitination of p53/TP53 (PubMed:>15280377). Mediates ubiquitination of PEX5 and autoubiquitination of STUB1 and TRAF6 (PubMed:>18359941). 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 RIGI in response to viral infection (PubMed:>18703417, PubMed:>20403326). Essential for viral activation of IRF3 (PubMed:>19854139).

UBE2D2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

UBE2D2 Antibody (C-term) Blocking Peptide - Images

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)