

UBE2H Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2122b**Specification**

UBE2H Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P62256](#)
Other Accession [NP_874356](#)

UBE2H Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7328

Other Names

Ubiquitin-conjugating enzyme E2 H, UbcH2, Ubiquitin carrier protein H, Ubiquitin-conjugating enzyme E2-20K, Ubiquitin-protein ligase H, UBE2H

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2122b](/product/products/AP2122b) was selected from the C-term region of human UBE2H. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

UBE2H Antibody (C-term) Blocking Peptide - Protein Information

Name UBE2H

Function

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed: [8132613](http://www.uniprot.org/citations/8132613), PubMed: [17588522](http://www.uniprot.org/citations/17588522), PubMed: [20061386](http://www.uniprot.org/citations/20061386)). E2 ubiquitin conjugating enzyme that transfers ubiquitin to MAEA, a core component of the CTLH E3 ubiquitin-protein ligase complex (PubMed: [29911972](http://www.uniprot.org/citations/29911972)). In vitro catalyzes 'Lys-11'- and 'Lys-48'-linked polyubiquitination (PubMed: [20061386](http://www.uniprot.org/citations/20061386)). Capable, in vitro, to ubiquitinate histone H2A (PubMed: [8132613](http://www.uniprot.org/citations/8132613)).

UBE2H Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

UBE2H Antibody (C-term) Blocking Peptide - Images

UBE2H 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. UBE2H is a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein sequence is 100% identical to the mouse homolog and 98% identical to the frog and zebrafish homologs, which indicates that this enzyme is highly conserved in eukaryotes.

UBE2H Antibody (C-term) Blocking Peptide - References

Hayashida, S., et al., Genomics 66(2):221-225 (2000). Kaiser, P., et al., J. Biol. Chem. 269(12):8797-8802 (1994).