

UBE2T Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17379b**Specification**

UBE2T Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9NPD8](#)**UBE2T Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 29089**Other Names**

Ubiquitin-conjugating enzyme E2 T, Cell proliferation-inducing gene 50 protein, Ubiquitin carrier protein T, Ubiquitin-protein ligase T, UBE2T

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.

UBE2T Antibody (C-term) Blocking Peptide - Protein Information**Name** UBE2T**Function**

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes monoubiquitination. Involved in mitomycin-C (MMC)-induced DNA repair. Acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway (PubMed: [16916645](http://www.uniprot.org/citations/16916645), PubMed: [17938197](http://www.uniprot.org/citations/17938197), PubMed: [19111657](http://www.uniprot.org/citations/19111657), PubMed: [19589784](http://www.uniprot.org/citations/19589784), PubMed: [28437106](http://www.uniprot.org/citations/28437106)). Also mediates monoubiquitination of FANCL and FANCI (PubMed: [16916645](http://www.uniprot.org/citations/16916645), PubMed: [17938197](http://www.uniprot.org/citations/17938197), PubMed: [19111657](http://www.uniprot.org/citations/19111657), PubMed: [19589784](http://www.uniprot.org/citations/19589784)). May contribute to ubiquitination and degradation of BRCA1 (PubMed: [19887602](http://www.uniprot.org/citations/19887602)). In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11', 'Lys-27',

'Lys-48'- and 'Lys-63'-linked polyubiquitination (PubMed:20061386).

Cellular Location

Nucleus. Note=Accumulates to chromatin

UBE2T Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

UBE2T Antibody (C-term) Blocking Peptide - Images

UBE2T Antibody (C-term) Blocking Peptide - Background

The covalent conjugation of ubiquitin to proteins regulates diverse cellular pathways and proteins. Ubiquitin is transferred to a target protein through a concerted action of a ubiquitin-activating enzyme (E1), a ubiquitin-conjugating enzyme (E2), such as UBE2T, and a ubiquitin ligase (E3) (Machida et al., 2006 [PubMed 16916645]).

UBE2T Antibody (C-term) Blocking Peptide - References

Ueki, T., et al. Cancer Res. 69(22):8752-8760(2009) Longerich, S., et al. J. Biol. Chem. 284(35):23182-23186(2009) Alpi, A.F., et al. Mol. Cell 32(6):767-777(2008) Hao, J., et al. Tumour Biol. 29(3):195-203(2008) Machida, Y.J., et al. Mol. Cell 23(4):589-596(2006)