

UBE2T Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50073**Specification**

UBE2T Antibody - Product Information

Application	WB
Primary Accession	O9NPD8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23 KDa
Antigen Region	140-169

UBE2T Antibody - 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

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

UBE2T Antibody - 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,
PubMed:19111657,
PubMed:19589784).
May contribute to ubiquitination and degradation of BRCA1 (PubMed: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

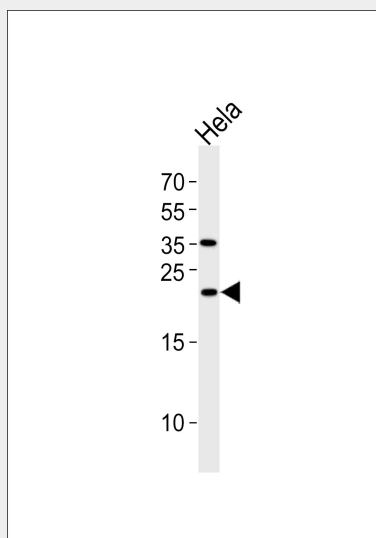
Nucleus. Note=Accumulates to chromatin

UBE2T Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UBE2T Antibody - Images



Western blot analysis of lysate from HeLa cell line, using UBE2T Antibody (C19447). C19447 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.

UBE2T Antibody - Background

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. Also mediates monoubiquitination of FANCL and FANCI. May contribute to ubiquitination and degradation of BRCA1. 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.

UBE2T Antibody - References

Okazaki H., et al. Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
Hu R.-M., et al. Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Zhang Q.-H., et al. Genome Res. 10:1546-1560(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Kim J.W., et al. Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.