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UBE2T Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17379b

Specification

UBE2T Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NPD8
Other Accession	Q32LD2, NP_054895.1
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**22521**
Antigen Region	**126-154**

UBE2T Antibody (C-term) - 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

Target/Specificity
This UBE2T antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 126-154 amino acids from the C-terminal region of human UBE2T.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
UBE2T Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2T Antibody (C-term) - 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, PubMed:17938197, PubMed:19111657, PubMed:19589784, PubMed:28437106). Also mediates monoubiquitination of FANCL and FANCI (PubMed: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).

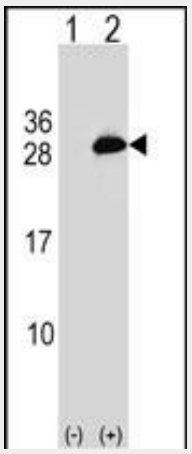
Cellular Location
Nucleus. Note=Accumulates to chromatin

UBE2T Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UBE2T Antibody (C-term) - Images



Western blot analysis of UBE2T (arrow) using rabbit polyclonal UBE2T Antibody (C-term) (Cat. #AP17379b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the UBE2T gene.

UBE2T Antibody (C-term) - 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) - 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)