

KD-Validated Anti-UBE2T Rabbit Polyclonal Antibody
Rabbit polyclonal antibody
Catalog # AGI2139**Specification****KD-Validated Anti-UBE2T Rabbit Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q9NPD8
Reactivity	Rat, Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 23 kDa, observed, 21 kDa kDa
Gene Name	UBE2T
Aliases	UBE2T; Ubiquitin Conjugating Enzyme E2 T; HSPC150; FANCT; Cell ProlifeRation-Inducing Gene 50 Protein; Ubiquitin-Conjugating Enzyme E2 T; E2 Ubiquitin-Conjugating Enzyme T; Ubiquitin Carrier Protein T; Ubiquitin-Protein Ligase T; HSPC150 Protein Similar To Ubiquitin-Conjugating Enzyme; Ubiquitin-Conjugating Enzyme E2T (Putative); Ubiquitin-Conjugating Enzyme E2T; Ubiquitin Conjugating Enzyme E2T; EC 2.3.2.23; PIG50
Immunogen	A synthesized peptide derived from human UBE2T

KD-Validated Anti-UBE2T Rabbit Polyclonal Antibody - Additional Information

Gene ID 29089

Other Names

Ubiquitin-conjugating enzyme E2 T, 2.3.2.23, Cell proliferation-inducing gene 50 protein, E2 ubiquitin-conjugating enzyme T, Ubiquitin carrier protein T, Ubiquitin-protein ligase T, UBE2T

KD-Validated Anti-UBE2T Rabbit Polyclonal 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, PubMed:17938197, PubMed:19111657, PubMed:19589784)

target="_blank">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

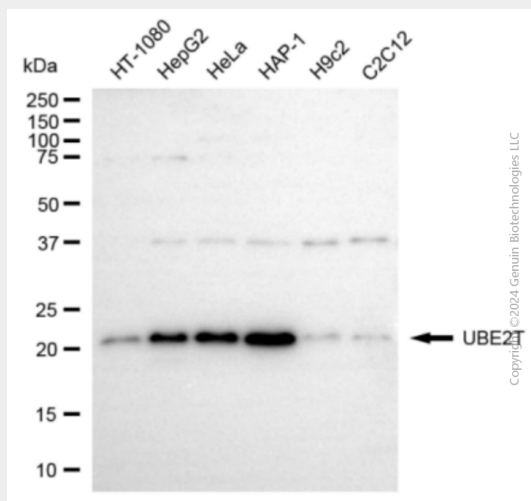
Nucleus. Note=Accumulates to chromatin

KD-Validated Anti-UBE2T Rabbit Polyclonal Antibody - Protocols

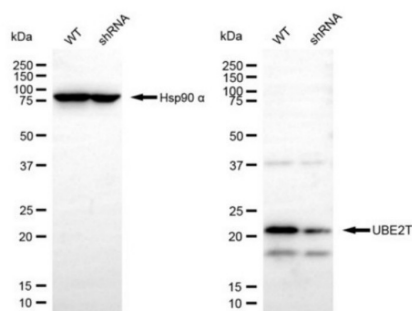
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-UBE2T Rabbit Polyclonal Antibody - Images



Western blotting analysis using anti-UBE2T antibody (Cat#AGI2139). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-UBE2T antibody (Cat#AGI2139, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Western blotting analysis using anti-UBE2T antibody (Cat #AGI2139). UBE2T expression in wild-type (WT) and UBE2T shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-UBE2T antibody (Cat #AGI2139, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (Cat #201, 1:20,000) respectively.