

KD-Validated Anti-UBE2T Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1729

Product Information

Application	WB, FC, ICC
Primary Accession	Q9NPD8
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB2350
Calculated MW	22521
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 HSPC150

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

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

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