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Anti-UBE2T Antibody [KO/KD Validated]

Catalog # AP59833

Product Information

Application	WB
Primary Accession	Q9NPD8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22521

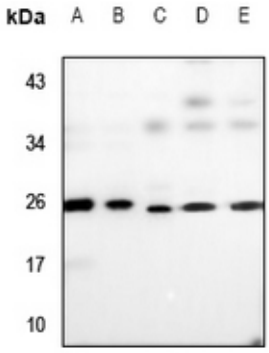
Additional Information

Gene ID	29089
Other Names	Ubiquitin-conjugating enzyme E2 T; Cell proliferation-inducing gene 50 protein; Ubiquitin carrier protein T; Ubiquitin-protein ligase T
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human UBE2T. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

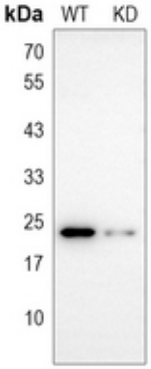
Protein Information

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

Images



Western blot analysis of UBE2T expression in MCF7 (A), HepG2 (B), CT26 (C), C6 (D), H9C2 (E) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 25 kD)



Western blot analysis of UBE2T expression in wild type (WT) and knockdown (KD) HeLa cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.