

UBE2T Polyclonal Antibody

Catalog # AP72983

Product Information

Application WB
Primary Accession Q9NPD8

Reactivity Human, Mouse

HostRabbitClonalityPolyclonalCalculated MW22521

Additional Information

Gene ID 29089

Other Names UBE2T; HSPC150; PIG50; Ubiquitin-conjugating enzyme E2 T; Cell

proliferation-inducing gene 50 protein; Ubiquitin carrier protein T;

Ubiquitin-protein ligase T

Dilution WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other

applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

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:<u>16916645</u>, PubMed:<u>17938197</u>,

PubMed: <u>19111657</u>, PubMed: <u>19589784</u>, PubMed: <u>28437106</u>). Also mediates

monoubiguitination 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

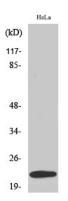
(PubMed: 20061386).

Cellular Location Nucleus. Note=Accumulates to chromatin

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 (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).

Images



Western Blot analysis of various cells using UBE2T Polyclonal Antibody. Secondary antibody was diluted at 1:20000

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