

Anti-UBE2T Antibody [JE65-79]

HA721385



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IF-Cell
Molecular Wt:	Predicted band size: 22.5 kDa
Clone number:	JE65-79

Description: The protein encoded by this gene catalyzes the covalent attachment of ubiquitin to protein substrates. Defects in this gene have been associated with Fanconi anemia of complementation group T. Two transcript variants encoding different isoforms have been found for this gene. 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. Also mediates monoubiquitination of FANCL and FANCI. May contribute to ubiquitination and degradation of BRCA1. 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.

Immunogen: Recombinant protein within Human UBE2T aa 1-100 / 197.

Positive control: HeLa cell lysate, K-562 cell lysate, MCF7 cell lysate, A549 cell lysate, HEK-293 cell lysate, Jurkat cell lysate, SKOV-3 cell lysate, SH-SY5Y cell lysate, HepG2 cell lysate, mouse testis tissue lysate, rat testis tissue lysate, HeLa.

Subcellular location: Nucleus.

Database links: SwissProt: Q9NPD8 Human | Q9CQ37 Mouse
Entrez Gene: 360847 Rat

Recommended Dilutions:

WB	1:1,000
IF-Cell	1:100

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

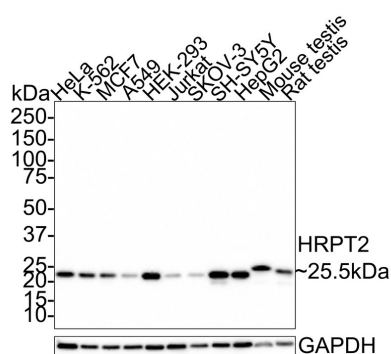
Technical:0086-571-89986345

Service mail:support@huabio.cn

 华安生物
HUABIO
www.huabio.cn

Images

Fig1: Western blot analysis of UBE2T on different lysates with Rabbit anti-UBE2T antibody (HA721385) at 1/1,000 dilution.



Lane 1: HeLa cell lysate (15 µg/Lane)
 Lane 2: K-562 cell lysate (15 µg/Lane)
 Lane 3: MCF7 cell lysate (15 µg/Lane)
 Lane 4: A549 cell lysate (15 µg/Lane)
 Lane 5: HEK-293 cell lysate (15 µg/Lane)
 Lane 6: Jurkat cell lysate (15 µg/Lane)
 Lane 7: SKOV-3 cell lysate (15 µg/Lane)
 Lane 8: SH-SY5Y cell lysate (15 µg/Lane)
 Lane 9: HepG2 cell lysate (15 µg/Lane)
 Lane 10: Mouse testis tissue lysate (30 µg/Lane)
 Lane 11: Rat testis tissue lysate (30 µg/Lane)

Predicted band size: 22.5 kDa

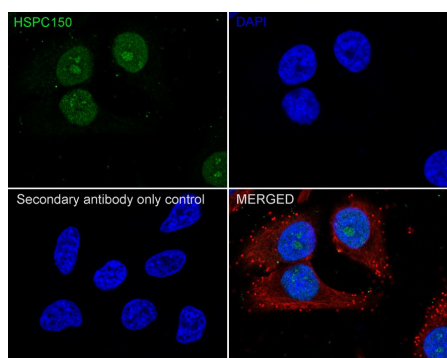
Observed band size: 22.5 kDa

Exposure time: 3 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA721385) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:100,000 dilution was used for 1 hour at room temperature.

Fig2: Immunocytochemistry analysis of HeLa cells labeling UBE2T with Rabbit anti-UBE2T antibody (HA721385) at 1/100 dilution.



Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-UBE2T antibody (HA721385) at 1/100 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488, HA1121) was used as the secondary antibody at 1/1,000 dilution. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (M1305-2, red) was stained at 1/200 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594, HA1126) was used as the secondary antibody at 1/1,000 dilution.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Zhu J et al. UBE2T promotes autophagy via the p53/AMPK/mTOR signaling pathway in lung adenocarcinoma. J Transl Med. 2021 Aug
2. Zhu Z et al. UBE2T-mediated Akt ubiquitination and Akt/ β -catenin activation promotes hepatocellular carcinoma development by increasing pyrimidine metabolism. Cell Death Dis. 2022 Feb

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

 华安生物
HUAABIO
www.huabio.cn