

For Research Use Only

# UBE2T/HSPC150 Polyclonal antibody

Catalog Number:10105-2-AP

Featured Product

21 Publications



## Basic Information

**Catalog Number:**

10105-2-AP

**Concentration:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0153

**GenBank Accession Number:**

BC004152

**GeneID (NCBI):**

29089

**UNIPROT ID:**

Q9NPD8

**Full Name:**

ubiquitin-conjugating enzyme E2T (putative)

**Calculated MW:**

23 kDa

**Observed MW:**

23 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP

**Species Specificity:**

human

**Cited Species:**

human

**Positive Controls:**

**WB:** HeLa cells, HepG2 cells, K-562 cells, Jurkat cells, SKOV-3 cells

**IP:** HeLa cells,

**IF/ICC:** HepG2 cells,

## Background Information

The ubiquitin (Ub)-mediated protein degradation pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub to specific protein substrates. The first step requires ATP-dependent activation of the C-terminus of Ub and the assembly of multi-Ubs by Ub-activating enzyme E1. The ubiquitin-conjugating enzyme E2, catalytic (UBC) domain, is then conjugated to Ubs, through a thiol-ester linkage between a conserved cysteine and the C-terminus of Ub, to generate an intermediate Ub-E2 complex. Then the E3, a ligase, catalyzes the transfer of Ub from E2 to the appropriate substrate. This pathway regulates many fundamental cellular processes. There are also other E2s which form thiol-ester linkages without the use of E3s as well as several UBC homologs (TSG101, Mms2, Croc-1 and similar proteins), which lack the active site cysteine essential for ubiquitination and appear to function in DNA repair pathways.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xuxiu Tao	36156329	Cancer Sci	WB,IHC,IF,IP
Xiangtian Wu	33014154	Oncol Lett	WB,IHC
Li-Li Liu	31571992	Cancer Manag Res	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

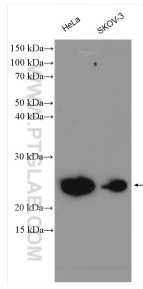
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

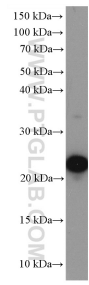
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

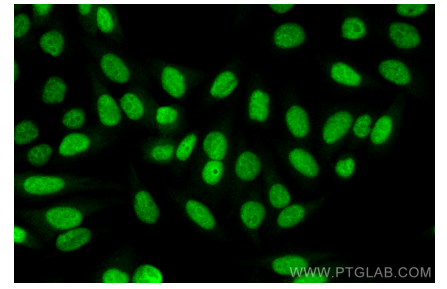
## Selected Validation Data



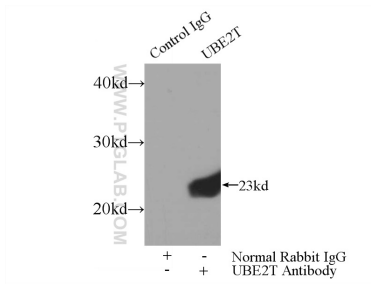
HeLa cells were subjected to SDS PAGE followed by western blot with 10105-2-AP (UBE2T/HSPC150 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using UBE2T/HSPC150 antibody (10105-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-UBE2T/HSPC150 (IP:10105-2-AP, 3ug; Detection:10105-2-AP 1:500) with HeLa cells lysate 3000ug.