

For Research Use Only

# CoraLite® Plus 488-conjugated UBE2T/HSPC150 Polyclonal antibody



Catalog Number: CL488-10105

Featured Product

## Basic Information

<b>Catalog Number:</b> CL488-10105	<b>GenBank Accession Number:</b> BC004152	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29089	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> ubiquitin-conjugating enzyme E2T (putative)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 23 kDa	
<b>Immunogen Catalog Number:</b> AG0153	<b>Observed MW:</b> 23 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> human	

## 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.

## Storage

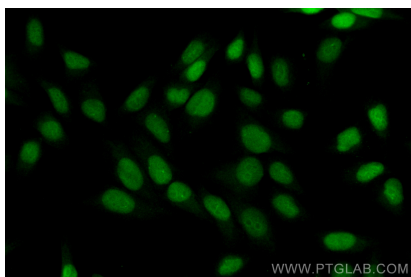
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 UBE2T/HSPC150 antibody (CL488-10105) at dilution of 1:200.