

For Research Use Only

# CoraLite® Plus 488-conjugated USP10 Monoclonal antibody



Catalog Number: CL488-67917

## Basic Information

<b>Catalog Number:</b> CL488-67917	<b>GenBank Accession Number:</b> BC000263	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9100	<b>CloneNo.:</b> 1B10C9
<b>Source:</b> Mouse	<b>Full Name:</b> ubiquitin specific peptidase 10	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 87 kDa, 92 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG7233	<b>Observed MW:</b> 100-110 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HEK-293 cells,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

USP10, a cytoplasmic ubiquitin-specific protease, deubiquitinates p53, reversing Mdm2-induced p53 nuclear export and degradation. After DNA damage, USP10 is stabilized, and a fraction of USP10 translocates to the nucleus to activate p53. The translocation and stabilization of USP10 is regulated by ATM-mediated phosphorylation of USP10 at Thr42 and Ser337. (PMID: 20096447, PMID: 26876938)

## Storage

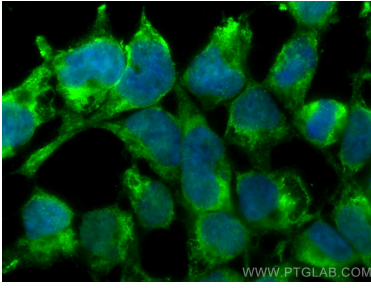
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

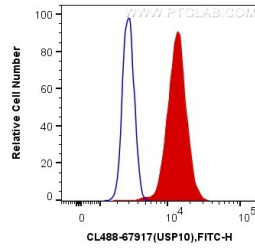
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 HEK-293 cells using CoraLite® Plus 488 USP10 antibody (CL488-67917, Clone: 1B10C9) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human USP10 (CL488-67917, Clone:1B10C9) (red), or 0.4 ug x. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).