

## USP10 Monoclonal antibody

Catalog Number: 67917-1-Ig

Featured Product

1 Publications

## Basic Information

Catalog Number:

67917-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7233

GenBank Accession Number:

BC000263

GeneID (NCBI):

9100

UNIPROT ID:

Q14694

Full Name:

ubiquitin specific peptidase 10

Calculated MW:

87 kDa, 92 kDa

Observed MW:

100-110 kDa

Purification Method:

Protein A purification

CloneNo.:

1B10C9

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, IHC, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

**WB** : LNCaP cells, MCF-7 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells

**IHC** : human liver cancer tissue,

**IF/ICC** : HEK-293 cells,

## 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)

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoli Wang	38363675	Cell Rep	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

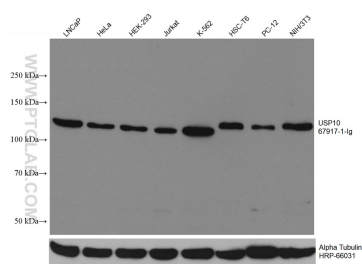
For technical support and original validation data for this product please contact:

T: 4006900926

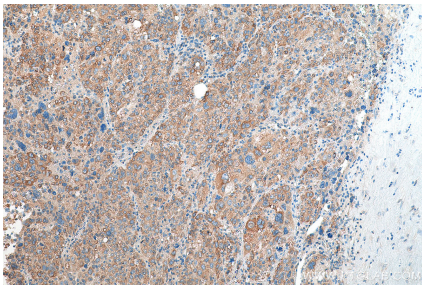
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

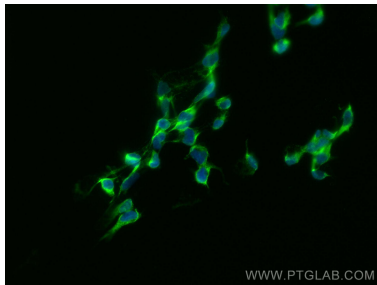
Selected Validation Data



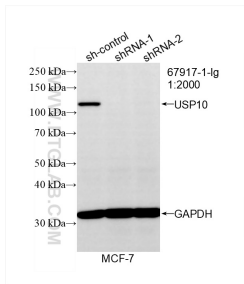
Various lysates were subjected to SDS PAGE followed by western blot with 67917-1-Ig (USP10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67917-1-Ig (USP10 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using USP10 antibody (67917-1-Ig, Clone: 1B10C9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB result of USP10 antibody (67917-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP10 transfected MCF-7 cells.