

For Research Use Only

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 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IHC, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

human

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 : HEK-293 cells,

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

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:

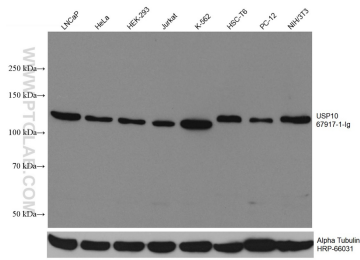
T: 4006900926

E: Proteintech-CN@ptglab.com

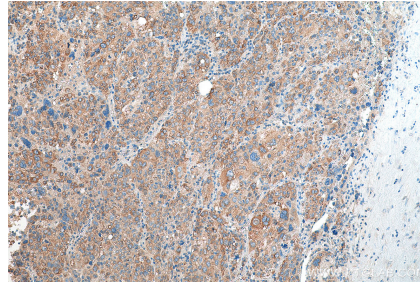
W: ptgcn.com

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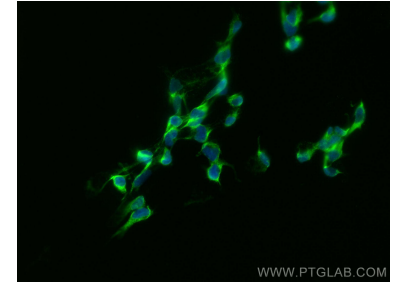
Selected Validation Data



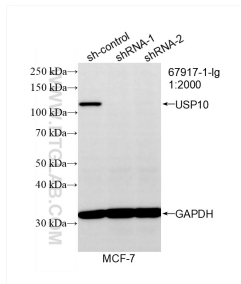
Various lysates were subjected to SDS PAGE followed by western blot with 67917-1-Ig (USP10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



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.