

For Research Use Only

USP10 Monoclonal antibody, PBS Only



Catalog Number: 67917-1-PBS

Basic Information

Catalog Number: 67917-1-PBS	GenBank Accession Number: BC000263	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 9100	CloneNo.: 1B10C9
Source: Mouse	UNIPROT ID: Q14694	
Isotype: IgG1	Full Name: ubiquitin specific peptidase 10	
Immunogen Catalog Number: AG7233	Calculated MW: 87 kDa, 92 kDa	
	Observed MW: 100-110 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
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

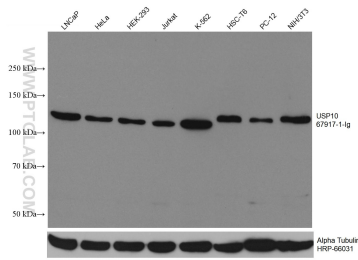
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

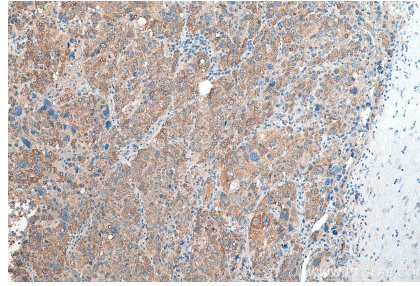
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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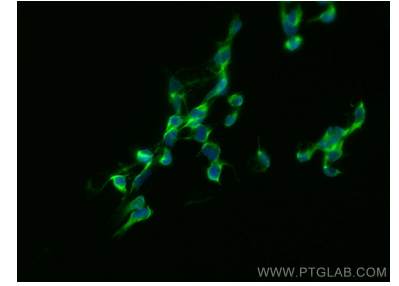
Selected Validation Data



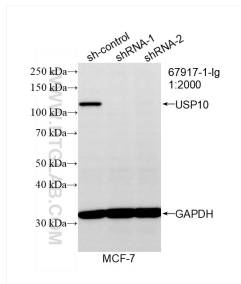
Various lysates were subjected to SDS PAGE followed by western blot with 67917-1-Ig (USP10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 67917-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67917-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67917-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 67917-1-PBS in a different storage buffer formulation.