

For Research Use Only

USP3 Polyclonal antibody

Catalog Number: 12490-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 12490-1-AP	GenBank Accession Number: BC018113	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9960	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:50-1:500
Source: Rabbit	Full Name: ubiquitin specific peptidase 3	
Isotype: IgG	Calculated MW: 520 aa, 59 kDa	
Immunogen Catalog Number: AG3085	Observed MW: 53-59 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls:
Cited Applications: CoIP, IF, IHC, IP, WB	WB: A549 cells, K-562 cells, RAW264.7, HepG2 cells, Jurkat cells
Species Specificity: human, mouse	IP: mouse liver tissue,
Cited Species: human, rat, mouse	IF: HeLa cells, HepG2 cells, MCF-7 cells

Background Information

USP3(Ubiquitin carboxyl-terminal hydrolase 3) belongs to the peptidase C19 family. It may regulate the DNA damage response (DDR) checkpoint through deubiquitination of H2A at DNA damage sites. USP3 is implicated as a novel chromatin modifier in the maintenance of genome integrity. This protein has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Wanxin Zhuang	36050480	Cell Mol Immunol	WB,IF,IP,CoIP
Ke Shi	34758762	BMC Cancer	WB
Simin Zhao	36574218	Chin Med J (Engl)	WB,CoIP

Storage

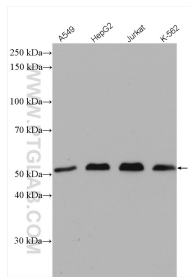
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

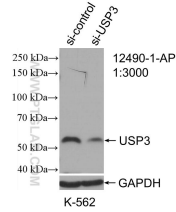
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

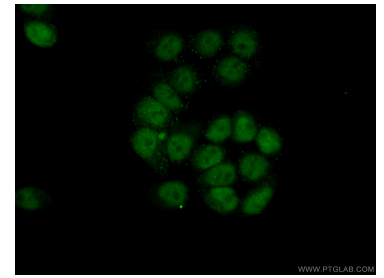
Selected Validation Data



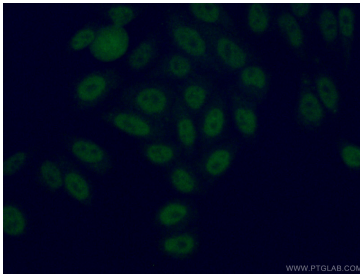
Various lysates were subjected to SDS PAGE followed by western blot with 12490-1-AP (USP3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



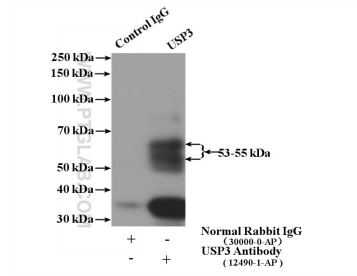
WB result of USP3 antibody (12490-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP3 transfected K-562 cells.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 12490-1-AP (USP3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 12490-1-AP (USP3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-USP3 (IP:12490-1-AP, 4ug; Detection:12490-1-AP 1:500) with mouse liver tissue lysate 4000ug.